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September 29, 1994

Mr. Charles Schwer
VT, DEC, Site Management Section
103 South Main Street
Waterbury, VT 05671-0404

Re: Phase III Site Investigation/***FINAL REPORT***
Days Inn Property and Tavern Garage
100 State Street, Montpelier, VT
CON-TEST, Inc. Project No. 93250113

Dear Mr. Schwer

The referenced document is provided for your review. The following summarizes the findings and conclusions of the investigation and work performed.

Previous Investigations

Previous investigations have documented the following environmental site conditions identified as Areas of Concern, AOC's: Each AOC is addressed by No. listed below throughout this summary and the Phase III Report.

AOC # 1. Three underground storage tanks were removed from the site. It was determined that a petroleum release had occurred.

AOC # 2. There is low levels of chlorinated solvents occurring in the groundwater at 2 monitoring wells.

AOC # 3. During the tank removal operation approximately 6-7 cubic yards of soil known to be contaminated with gasoline were stockpiled on site.

AOC # 4. Existing floor drains in the Tavern Garage are connected directly to a drainage system draining to the adjacent Winooski River and North Branch of the Winooski River. These floor drains are to be sealed.

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Present Investigation

The Phase III Investigation was performed to investigate or address each AOC listed above. The investigation consisted of the following:

AOC # 1. Soil Borings and soil sampling in the area of the removed underground storage tanks. Installation of 3 monitoring wells to assess groundwater quality in the area of the removed underground storage tanks.

AOC # 2. Re-sampling of the monitoring wells to assess chlorinated solvent contamination and determine if the levels have dropped.

AOC # 3. Sampling of the soil stockpile in order to determine the extent of soil treatment and disposal options.

AOC # 4. Oversite of the closure of existing floor drains in the Tavern Garage

Conclusions/Recommendations

AOC # 1. Analysis of soil samples indicates that the soil contamination from leaking gasoline was not wide spread. Contaminated soils appear to have been limited to the surficial soils. The surficial soils exhibiting the highest level of contamination were stockpiled on site. Groundwater analysis indicates that the groundwater has not been degraded by gasoline compounds released from the underground storage tanks.

AOC # 2. Monitoring Wells MW-1 & 2 were resampled 5/3/94 . The results of this analysis indicate low to trace VOC levels that include: cis/trans 1,2 dichloroethylene, trichloroethylene, tetrachloroethylene and chloroform.

The level of VOC's in MW-1 & 2 has remained constant. The source is believed to be upgradient. Tetrachloroethylene and Trichloroethylene are present at levels exceeding the State of Vermont Enforcement Standards.

Because the levels are low and the source is considered to be from an upgradient and offsite location, it is recommended that no further investigation be conducted other than yearly monitoring of these wells.

AOC # 3. Recent samples have indicated that the level of contamination has dropped significantly. It is recommended that these soils be considered for removal to a landfill. CON-TEST, Inc., will be contacting area landfills and the State of Vermont, Solid Waste Management Section to coordinate the removal of these soils.

AOC # 4. This work will not be completed under the scope of this report. The property ownership is being transferred.

If you should have any questions please contact Mr. Tim O'Brien at our East Longmeadow, MA office at 1-800-634-8165.

Sincerely,
CON-TEST, Inc.

E. Peter Burger, P.E.
Project Manager

Attch.
File: 93250113.32

cc: FGB Corporation

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OCT 5 1994

PHASE III INVESTIGATION
Final Report

Additional Groundwater Monitoring
Leaking UST soils/groundwater Assessment
Soils Stockpile Disposition
Floor Drain Elimination

for

DAYS INN and TAVERN GARAGE
100 STATE STREET,
MONTPELIER, VERMONT

prepared for

F.G.B. CORPORATION

and

State of Vermont
Department of Environmental Conservation
Site Management Section

prepared by

CON-TEST, INC.

PROJECT #93250113

September 15, 1994

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EXECUTIVE SUMMARY

PHASE III INVESTIGATION
Final Report

Additional Groundwater Monitoring
Leaking UST soils/groundwater Assessment
Soils Stockpile Disposition
Floor Drain Elimination

September 15, 1994

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1.0 INTRODUCTION

This report is being undertaken by CON-TEST, Inc. for the F.G.B. Corporation for the purpose of satisfying the requirements of the State of Vermont, Department of Environmental Conservation, Site Management Section,(VT SMS), for additional work concerning the environmental quality of the site soils and groundwater at Day's Inn and Tavern Garage property, 100 State Street, Montpelier, Vermont.

This report is being provided to the VT SMS, to satisfy a request for further site investigation in regards to the Leaking Underground Storage Tanks, UST's, the extent of soils contamination, the disposition of stockpiled gasoline contaminated soils at the site, concerns related to the floor drains inside the Tavern Garage Building and the long term fate of chlorinated solvent contamination detected in groundwater during previous sampling events..

The additional work includes: further groundwater monitoring for solvents at select wells that have historically shown groundwater contamination, Characterize soil and groundwater contamination resulting from leaking underground storage tank(s),UST's, that have been removed, treating and disposing of contaminated soils stockpiled at the site and sealing floor drains located in a former automotive service area. not done

The proposed investigation is to occur in to events. The first event occurred in December, 1993. This event included soil sample collection and analysis and monitoring well installation and ground water sampling/analysis. A second sampling event planned for the spring 1994 occurred in May and June of the 1994.

The findings enclosed along with references to previous investigations pertain only to the presence of contaminants in the soils and groundwater. Separate investigations and abatement activities have been performed in regards to the buildings at the site.

2.0 BACKGROUND & PREVIOUS SITE INVESTIGATIONS

2.1 Phase I Site Assessment

A Phase I Environmental Site Assessment was completed by Nobis Engineering on January 31, 1992, at the request of RECOLL Management Corporation. This assessment included visual observations of the site, review of City and Vermont Department of Environmental Conservation records. No chemical screening or subsurface exploration was conducted. The following conclusions were presented at the completion of the Phase I Site Assessment.

Groundwater beneath the subject site is anticipated to flow in a generally southerly direction towards the Winooski River. The installation of monitoring wells and long-term groundwater level monitoring would be necessary to better assess the site groundwater flow conditions.

Chemical and oils observed on the subject site include paints and hydraulic oil observed in the concrete-floored basement of the hotel building, and waste oil stored in 55-gallon drums in the Tavern Garage. There was no visual evidence of spills of these materials during the site visit.

Underground Storage Tanks (UST's) are present at the Christ Church property, which abuts the subject site to the east. These UST's are situated upgradient from the subject site and therefore represent a potential source of contamination.

In summary, the phase I report concluded there is no direct evidence to indicate a hazardous waste release to the site environment. However, active UST's on-site and on adjacent properties present a potential for contaminant migration to the subject site. Former businesses that operated on the subject site may have had adverse environmental impacts to the site.

2.2 Phase II Site Assessment

A Phase II environmental site assessment was completed by Gemini Geotechnical Associates, Inc. on May 19, 1992 at the request of RECOLL Management Corporation. The purpose of the investigation was to evaluate the soil and groundwater conditions at the subject site. The assessment included the drilling of eleven test borings, installation of eight monitoring wells, chemical analysis of soil and groundwater samples, and an asbestos and lead paint survey.

The following conclusions were presented at the completion of the Phase II Environmental Site Assessment as they related to soils and groundwater:

SOILS:

It was noted that soil contamination resulting from lubricating oil had occurred. Petroleum Hydrocarbons, identified as lubricating oils, have been identified at levels ranging from 9.4 mg/kg to 2,300 mg/kg in the 5-7 ft sub surface soil strata near the Tavern Garage.

All of the soil samples tested exhibited detectable levels of petroleum hydrocarbons indicating the possibility that there is overall site petroleum hydrocarbon contamination, and not just a few isolated locations.

GROUNDWATER:

Chlorinated solvents, commonly found in dry cleaning fluids and de-greasers, were detected in the groundwater at monitoring well MW-2. Chloroform was detected in groundwater at MW-1.

Ground water samples obtained from monitoring wells MW-6, 7, & 8 have shown elevated levels of Total Petroleum Hydrocarbon Contamination. These wells are near the Tavern Garage. The levels reported in the May 1992 sampling event are as follows:
MW-6 560 ug/l, MW-7 280 ug/l, MW-8 Trace (<220 ug/l).

2.3 Phase II Environmental Site Assessment Update

The purpose of this investigation was to render an opinion as to the present status of contaminants in the groundwater at the subject site and to document the presence of soil/groundwater contamination resulting from 3 Underground Storage Tanks (USTs) that were removed as part of this investigation. The Conclusions and Recommendations of this investigation are as follows:

Conclusions

This investigation was conducted in September 1993 and was performed in order to assess the present soil and groundwater quality at the subject site.

Results of the groundwater sampling event indicate low or trace levels of chlorinated Solvents at the subject site at monitoring wells, MW-2, 3, 4, & 6. Refer to Figure 4 for analytical results. Only one contaminant was found at a level meeting the VT DEC Groundwater Enforcement Standards (trichloroethylene, 5ug/kg @ MW-2). All other contaminants were found at trace levels (below quantitation limits) or below Enforcement Standards. The presence of Chlorinated solvents indicates that a release has occurred although no source has been identified. Comparison of historical sampling events would indicate that the levels are dropping. This could be due to natural attenuation and or dilution in the groundwater.

Three underground storage tanks were removed from the vicinity of the Tavern Garage on the Day's Inn Property. Soils have been contaminated with gasoline product as a result of leaking gasoline from the tank(s). Approximately 6-7 cubic yards petroleum contaminated soil exhibiting elevated organic vapor readings (>2500 meter units) based on Organic Vapor Meter Screening were stockpiled on site. This information was supplied to the VT DEC. A separate UST Removal Report was also submitted to the Vermont UST Section with the Proper Tank Pull Forms. A copy of this report and the reporting form are included in Appendix A.

Recommendations

Because chlorinated solvent contamination in groundwater was at or below State of Vermont Enforcement Standards, no further investigation/remediation activities were recommended. Follow up groundwater sample analysis at target wells for chlorinated solvents should be performed.

The site area at the location of the Tavern Garage and the removed underground storage tanks have been impacted by the release of gasoline to the soils. Soils and groundwater in the area of the Tavern Garage should be investigated to determine the nature and extent of soil and groundwater contamination. Treatment and disposal options of stockpiled gasoline contaminated soils should be investigated.

The Phase II Site Assessment Update recommended that this area be investigated and remediated as necessary in conformance with the VT SMS requirements.

3.0 PURPOSE OF THE PHASE III INVESTIGATION

The VT SMS, reviewed the Phase II Environmental Site Assessment Update. This investigation performed additional groundwater monitoring at the subject site and documented the findings during the removal of three underground storage tanks.

The VT SMS requested in their letter dated October 13, 1993 to Mr. Fred Bashara, that additional investigation be performed and that a Work Plan be developed and submitted for their review prior to implementation of any additional work. Refer to Appendix B for both documents referenced.

4.0 AREAS OF CONCERN, AOC

4.1 AOC # 1 Soils and Groundwater Investigation at the Tavern Garage

Further define the degree and extent of contamination to the soils and groundwater in the area of the 3 removed underground storage tanks. Petroleum product has been confirmed to have been released from the UST's. This work should involve the installation of a sufficient number of monitoring wells which will fully characterize the nature and extent of groundwater contamination. In addition the soils at the location of the UST's should be investigated to determine the extent of soil contamination resulting from the release of petroleum product.

4.2 AOC # 2 Gasoline Contaminated Stockpiled Soils

Develop and implement a plan to properly treat and dispose of the stockpiled gasoline contaminated soils.

4.3 AOC # 3 Chlorinated Solvent Contamination in Site Groundwaters

Collect and analyze groundwater samples from MW-1 and MW-2 in the spring of 1994 to determine the long term fate of the solvent contamination at the property. These samples will be analyzed using EPA Method 8240.

4.4 AOC # 4 Floor Drains in the Tavern Garage

Properly seal the floor drain(s) in the Tavern Garage.

5.0 Site Geology/Hydrogeology

5.1 Site Geology

Previous Investigations

Previous Site Investigations have found that subsurface conditions are consistent across the site. The subsurface geology consists of coarse to fine silty sands. Fill is noted at many locations at the site. Auger refusal, indicating possible bedrock, occurred at depths ranging from 15 - 30 ft.

Present Investigation

This investigation indicated soils in the area of the Tavern Garage consist of light brown to black; silty-sands and gravel. Some shale, clay and wood fragments were noted at varying soil strata and borings. The site soils consist of fill overlying natural occurring material. Auger refusal indicating possible bedrock occurred at three locations at depths ranging from 13.5 ft to 14.0 ft. Refer to Boring Logs for additional information, Appendix C.

5.2 Site Hydrology

Previous Investigations

The Phase II ESA **Update** and previous Phase II ESA Investigation have shown that the groundwater is approximately 12 feet below the existing grade and flowing southerly towards the Winooski River and the North Branch of the Winooski River. Refer to Figure 3.

Present Investigation

The Phase III Investigation included the installation of 3 monitoring wells to assess the groundwater flow characteristics at the Tavern Garage. These new wells were designated MW-11, 12, & 13. The new monitoring wells were surveyed and depth to groundwater were determined on June 10, 1994. This information is provided in Table 1 below. The Datum used for monitoring well elevations was Top of Frame, MW-6 (elevation 97.88), referenced in the Phase II Environmental Site Assessment Report, May 19, 1994, prepared by Gemini Geotechnical Associates, Inc.

The Monitoring Well Locations are depicted in Figure 2.
Groundwater depths/elevations obtained September, 1994.

TABLE 1: GROUNDWATER ELEVATIONS

Monitoring Well	Surface Elevation, ft	Depth to Groundwater, ft	Groundwater Elevation, ft
MW-4	99.45	14.30	85.14
MW-11	97.69	11.90	85.79
MW-12	101.00	15.65	85.35
MW-13	100.12	14.55	85.57

Review of groundwater elevations at the monitoring well locations indicate that the groundwater elevations are higher near the edge of the river than at the inland areas. This hydraulic grade would produce a groundwateer flow westerly along the direction of flow of the Winooski River. Historically the groundwater flow has been shown to be southerly and south westerly towards the Winooski River and the North Branch of the Winooski River. Refer to Figure 2.

This higher groundwater elevation is assumed to be the result of the seasonal increased flow resulting in higher river elevations at the mouth of the North Branch of the Winooski River and some recharge to the groundwater at the river's edge.

6.0 PHASE III INVESTIGATION

6.1 AOC # 1, Soils and Groundwater Investigation at the Tavern Garage

6.1.1 Soils Investigation

The following section describes the activities required to assess the extent and nature of soil contamination.

Sample Collection

In order to fully characterize the vertical and horizontal extent of soil contamination, soil samples were obtained using a grid pattern around the location of the UST's. The grid is illustrated on Figure 2. Samples were obtained, in general, at 5 ft intervals to the water table using a split spoon sampler driven by a truck mount hammer and auger. Sample locations and depths were controlled by field conditions. Sampling was discontinued with the first sample that intercepted the groundwater table. The water table in this area is presumed to be approximately 12 feet below the surface.

Standard protocols for sample collection were followed for this work.

Field Screening

Samples were field screened with a Thermo-Environmental Organic Vapor Meter for Head Space Analysis. The meter was calibrated to 47.5 PPM Isobutylene prior to the start of work. The OVM was also checked for calibration during the sampling event.

Standard soil sampling protocols were followed for this work. The results of this investigation are included in Table 2. Selected samples were submitted to the CON-TEST, Inc., Laboratory in East Longmeadow, MA for analysis.

TABLE 2
OVM FIELD SCREENING RESULTS

SAMPLE	DEPTH	OVM Reading	OBSERVATIONS	ANALYSIS
SP-1	5-7	0.0	NONE	
SP-1	10-12	1.0	NONE	
SP-1	14-refusal	0.0	Refusal @ 14'	
SP-2	5-7	No Recovery		
SP-2	10-12	245	Low Recovery	1
SP-2	12-14	3.0	Refusal @ 13.5'	1,2,3
SP-3	3-5 Spoilage	0.0	NONE	
SP-3	5-7	1.2	NONE	
SP-3	7-10 Spoilage	3.0	NONE	
SP-3	10-12	2.3	NONE	
SP-3	10-13 Spoilage	4.2	NONE	
SP-3	12-14	No Recovery	Refusal @ 13.5'	
SP-4	5-7	1.3	Refusal @ 6.0'	
SP-5	5-7 ft	1.0	Refusal @ 4 ft	
SP-5	10-12	No Recovery	Fill(wood)	
SP-6	2-4	2.7	Spoilage	
SP-6	4-6	0.0	Fill	
SP-6	10-12	0.0	NONE	
SP-7	3-4 Spoilage	0.0	NONE	
SP-7	4-6	No Recovery	Fill	
SP-7	8-10	0.0	NONE	
SP-8	4-6	0.0	NONE	
SP-8	10-12	0.0	NONE	1, 2, 3
SP-9	3-5	1.2	Low Recovery	
SP-9	8-10	1.8	Low Recovery	3
SP-10	3-5	2.0	NONE	
SP-10	8-10	1.0	NONE	1, 2, 3

Analysis:
1: Total Petroleum Hydrocarbons by EPA Method 418.1
2: Total Lead
3: BTEX by EPA Method 8020

Observations:
Observations would include: strong odors, visual contamination, fill, recovery, etc.

Laboratory Analysis

Samples collected in the field were screened as noted above for Organic Vapors.

Samples were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 418.1, BTEX using EPA Method 8020, and Total Lead.

The purpose of this analysis was to provide some correlation between Soil/Vapor readings at the site and obtain actual soil contamination levels for further consideration in the event that additional action is required.

With the exception of a few elevated OVM readings most readings indicated no organic vapors. In this case the terminus sample was taken was selected for analysis.

The results of the analysis are included in Table 3 below. The Analytical Results along with supporting documents are included in Appendix D.

TABLE 3
Soils Analysis

Analysis			TPH	Total Lead	B	T	E	X
Units			mg/kg	mg/kg	ug/kg			
Limit of Detection			5.0	0.5	5.0	5.0	5.0	15.0
Sample ID/Depth		OVM						
SP2	12-14	3.0	99	44.1	ND	ND	ND	ND
SP2	10-12	245.0	NA	NA	ND	ND	ND	< 15
SP8	10-12	0.0	ND	26.3	ND	ND	ND	ND
SP9	8-10	1.8	NA	NA	ND	ND	ND	ND
SP10	8-10	1.0	40	73.1	ND	ND	ND	ND

NA: Not Analyzed
ND: Non Detected
< 15: Trace amount less than detection limit.

Soils Investigation Conclusions

Soil Contamination

Review of Soil Screening Results and Laboratory Analysis indicates that the extent of soil contamination is slight as a result of the gasoline release. All soil samples analyzed for BTEX showed no detection with the exception of a trace level of Xylene. This was at the sample taken below the highest OVM Reading, (SP-2, 10-12). The Phase II Update report indicated that the release may have been a result leaking pipes in the surface soils. The results indicated here support this conclusion because high concentrations of petroleum contamination were not found in the sub surface soils. During the tank removal operation the highest level of soil contamination based on OVM readings and supported by follow up laboratory analysis were in the surface
soils (0.0-4.0 ft).

The field investigation did not find contamination of the subsurface soils resulting from BTEX constituents.

Elevated levels of lead have been noted at 3 samples obtained in the 8-14 ft sub-surface soil strata. No background samples were obtained to determine the natural background range. CON-TEST, Inc., is of the opinion that the levels present are not a result of a leaded gasoline release.

TPH was analyzed for three samples as noted in Table 3. The analysis indicated TPH ranging from ND to 99 mg/kg in the sub-surface soils at the site area. As noted in the Phase II Investigation, Section 2.2, TPH contamination in the 5-7 ft soil strata is present and lubricating oils have been identified as the suspected contaminant. The samples analyzed during this sampling event are in the 8-14 ft soil strata. CON-TEST, Inc., is of the opinion that the TPH contamination is not related to the release of gasoline and additionally that the levels found are not a site concern or a concern to the environment.

6.1.2 Groundwater Investigation at the Tavern Garage

General

In order to assess the extent and nature of groundwater contamination 3 monitoring wells were installed in the vicinity of the Tavern Garage. Monitoring Wells were installed by Tri State Drilling and Boring Company on December 7 & 8, 1993.

Monitoring Well Locations

The Monitoring Well locations are shown on FIGURE 2. The monitoring well locations were determined in consultation with the VT SMS. The locations were based on the expected problem spots, predicted groundwater flow, limiting factors such as building and utility locations, the area topography and the relative location of the nearest surface water, (the Winooski River and North Branch of the Winooski River are immediately adjacent to the subject site).

Monitoring Well Construction

The monitoring wells were installed to depths ranging from 16.0 to 19.0 ft and were screened a minimum of 5.0 ft into the observed water table. Refer to Monitoring Well Construction Diagrams, Appendix C.

Well construction consisted of the installation of 10 slot PVC screen followed by 2 inch Schedule 40 PVC riser from the top of the screen to surface level. PVC sections were threaded and were physically attached without the use of chemical agents. A filter pack consisting of clean #2 Silica Sand was poured in place around the PVC casing from the bottom of the well to a height of at least 1 foot above the screen. Bentonite chips were placed on top of the filter pack at a thickness of approximately 2 feet, forming an impermeable plug to prevent vertical migration of contaminants from the surface into the well. Steel casings were installed flush with the ground surface at each well. The monitoring wells were developed by Air Bubble Lift within 24 hours after the well installation.
Refer to Monitoring Well Logs, Appendix C.

Sample Collection

Groundwater samples were collected from Monitoring Wells MW-4 and MW-13 on December 28, 1993. Prior to sample collection each well was purged by removing 3 well volumes with a dedicated PVC bailer. Monitoring Wells MW 11 and MW 12 were scheduled to be sampled during this sampling event however this was not possible because the wells were covered with ice and snow. Quality Control Samples included a Trip Blank and Duplicate Sample.

All monitoring wells MW-4,11,12, & 13 were resampled during the spring sampling event that occurred on May 3, 1994 and June 10, 1994. Quality Control Samples included a Trip Blank and Duplicate Sample.

All samples were delivered to the CON-TEST, Inc., Laboratory, East Longmeadow, MA. The following sample handling methods were performed.

BTEX & MTBE/EPA Method 8020 Water samples were collected in duplicate 40 ml vials, preserved with hydrochloric acid and sodium thiosulfate and capped with teflon lined covers for VOC analysis. The samples were collected prior to other sample collection and were performed in a manner that reduced sample agitation. A Trip Blank prepared by the CON-TEST, Inc., Laboratory accompanied samples collected for Method 8020 analysis.

TPH/EPA Method 418.1 Water samples collected for TPH analysis were collected in 1000 milliliter Amber Glass containers . Samples collected for this analysis were collected following collection of water samples for 8020 analysis. TPH samples were preserved in the Laboratory.

Total Lead Water samples collected for Total Lead Analysis were collected in 250 milliliter plastic/glass containers. Samples collected for inorganic analysis were collected last.

Immediately following collection each sample was placed in a thermally insulated container with a cold source and were promptly transported to the Con-Test Environmental Laboratory for analysis.

Laboratory Analysis

The groundwater sample analysis is summarized in Table 4 below. Refer to Appendix C for the complete analytical results.

TABLE 4
Groundwater Analysis

Analysis	**TPH**	**Total Lead**	**B**	**T**	**E**	**X**
Units	*mg/l*	*mg/l*	*ug/l*			
Limit of Detection, LOD	*0.2*	*0.02*	*1.0*	*1.0*	*1.0*	*3.0*
Sample ID **(Sample Date 12/28/93)**						
MW-4	0.21	0.52	ND	ND	ND	ND
MW-13	ND	0.06	ND	ND	ND	ND
Field Blank	NA	NA	ND	ND	ND	ND
Sample ID **(Sample Date 5/3/94 & 6/10/94)**						
MW-4	ND[1]	0.25[2]	ND	ND	ND	ND[1]
MW-11	ND[1]	0.03[2]	ND	ND	ND	ND[2]
MW-12	ND[1]	0.03[2]	ND	ND	ND	ND[1]
MW-13	ND[1]	NA	ND	ND	ND	ND[1]
Field Blank 5/03/93	NA	NA	ND	ND	ND	ND
Field Blank 6/10/94	NA	NA	ND	ND	ND	ND

Notes: 0.015 = MCL ppm

[1] Sample Date 6/10/94
[2] Sample Date 5/3/94

NA: Not Analyzed
ND: Non Detected, LOD Listed

6.1.2 Groundwater Investigation Conclusions

BTEX & MTBE Contamination in Groundwater

No BTEX or MTBE was present at detectable levels in the Monitoring Wells MW 4, 11, 12, & 13.

Monitoring Well MW-13 was located in the central area of the removed leaking UST's. Because of the well location, approximately 5 ft down gradient of the suspected leaking UST # 1, (refer to Phase II ESA Update), groundwater contamination if present was expected to occur at this location at the highest concentrations.

CON-TEST, Inc., is of the opinion that the site groundwaters have not been impacted or degaded by gasoline contaminants, BTEX & MTBE.

Total Lead in Groundwater

Total Lead at MW-11,12 & 13 is less than the levels indicated at MW-4 for all sampling events. MW-4 is the perceived background reference for Total Lead and Petroleum Hydrocarbon Contamination.

CON-TEST, Inc., is of the opinion that elevated lead levels in the groundwater are not the result of a release from the UST at the Tavern Garage. The level of lead in the groundwater is above US EPA MCL's, 015 mg/l. The elevated lead levels in the groundwater are not considered a site concern as the water is not a source of drinking water. The levels present may be the result of a release at an offsite source or possibly representative of background concentrations.

Total Petroleum Hydrocarbons,TPH in Groundwater

TPH analysis at MW-11,12 & 13 indicated No Detection for TPH contamination. MW-13 was located in the central area of the former tank where the highest level of petroleum contamination in the groundwater was expected if present. The level of TPH contamination at MW-4 was slightly elevated above the LOD in the 12/28/93 sampling event and was Not Detectable in the 6/10/94 sampling event. (MW-4 is upgradient of the UST locations).

CON-TEST, Inc., is of the opinion that no Petroleum Hydrocarbon contamination has occurred at the site as a result of a gasoline or petroleum release from an UST at the Tavern Garage. Review of the analytical results for all monoitoring wells would indicate elevated levels of lead and TPH have occurred at MW-4. This is presumed to be the result of migration of these contaminants in solution from an offsite source. The levels found are not considered a site concern.

6.2 AOC # 2, Contaminated Soil Stockpile

General

Approximately 6 to 7 cubic yards of petroleum contaminated soils remain stockpiled on site enclosed in plastic. Organic Vapor Meter,(OVM), reading's on soil stockpile vapors exceeded 2500 ppm at the time the soil was excavated. The Work Plan approved by the VT SMS included resampling of the soil stockpile during the December 1993 sampling event to determine if the level of soil contamination was suitable for soil disposal at landfill.

Analysis of Contaminated Soil Stockpile

12/28/93 Sampling Event

2 samples were taken in the field from the east side and west side of the soil stockpile. The samples were analyzed for TPH using EPA Method 418.1 and Field Headspace Analysis using the equipment identified in this report. The samples were obtained by removing the protective polyethylene barrier and digging into the pile approximately one foot with a stainless steel utensil. Standard practices for soil collection and Field Head Space Analysis were followed. The sample on the east side was identified as GR-1 and on the west side as GR-2.

5/3/94 Sampling Event

One soil sample was obtained from the soil stockpile following the procedures outlined above. The sample was identified as SP-1.

Analytical Results

The results of the field and laboratory analysis are summarized in Table 5.

TABLE 5
Soil Stockpile Analysis

Analysis	**OVM Reading**	**TPH**
Units	**ppm**	**mg/kg**
Limit of Detection	**1.0**	**25**
SAMPLE ID		
GR-1 12/28/93	8.5	490
GR-2 12/28/93	3.4	170
SP-1 5/3/94	NA	48

Conclusions

The level of volatile contamination has been greatly reduced from the initial time of soil stockpiling in September 1993. OVM readings in September exceeded 2,500 ppm and there was a very strong odor of gasoline that was not present during the December sampling event.

It is recommended that these soils be considered for removal to a landfill. The consultant will be contacting area landfills and the State of Vermont, Solid Waste Management Section to coordinate the removal of these soils.

6.3 AOC # 3, Chlorinated Solvent Groundwater Contamination

General

Monitoring Wells #1, 2, 3, 4 & 6 have historically shown elevated levels of VOC contamination. The contaminant levels have been decreasing with time.

The Phase II ESA Update sampling event showed that no other monitoring wells had VOC's contamination occurring at levels above instrument detection limits or State of Vermont Enforcement Standards for groundwater with the exception of MW-2, which had trichloroethylene occurring at 5 ug/kg, this is also the Enforcement Standard for this compound. Trace levels of some VOC's have been found in MW-3, 4, & 6.

The work plan approved by the VT SMS called for resampling of monitoring wells MW-1 and 2 in the spring of 1994. Samples will be analyzed for VOC's by EPA Method 8240. This method has been historically used at this site and has been recommended for use by the VT SMS.

Monitoring Wells MW-1 & 2 were resampled on 5/3/94. The results of this analysis indicate the following VOC's: cis/trans 1,2 dichloroethylene, trichloroethylene, tetrachloroethylene and chloroform. These contaminants are occurring at low to trace levels.

The level of VOC's in MW-1 & 2 has remained relatively constant throughout the past sampling events.. The source is believed to be upgradient.

Tetrachloroethylene occurred at MW-2, 6 ug/l, and MW-1, <4ug/l (below detection limit of 4 ug/l). The State of Vermont Enforcement Standard for this compound is 0.7 ug/l.

Trichloroethylene occurred at MW-2, 6.0 ug/l exceeding the State of Vermont Enforcement Standard of ~~0.7 mg/l.~~ 5.0 ug/l MW 4/95

Conclusions

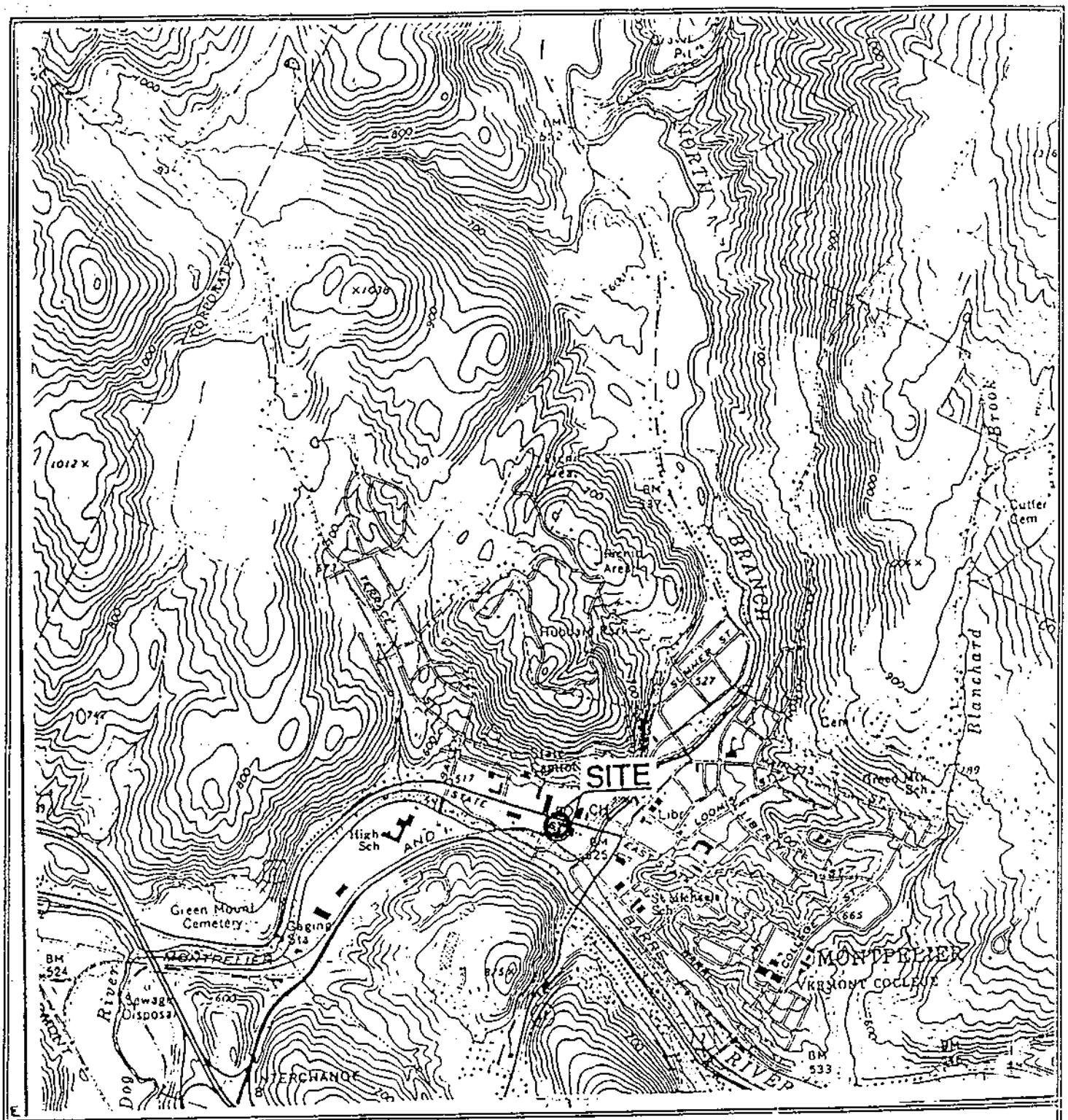
Because the levels are low and the groundwater is not used as a source of public/private potable water, it is recommended that no further investigation be conducted with the exception of yearly sampling of MW-1 & 2, for the compounds identified, to determine if the the levels are increasing and indicate an upgradient problem that may require attention..

6.4 AOC # 4, Sealing the Tavern Garage Floor Drains

It is reported that 3 floor drains exist in the Tavern Garage. These drains discharge to the Winooski River possibly through the 12 inch storm sewer adjacent to the building. These drains were to be abandoned by filling with cement grout.

Property ownership of the Tavern Garage is being transferred. The closure of the drains will not be completed under the Scope of this Report.

Figure 1 - Site Location Map



CON-TEST, INC.
18 BLAIR PARK ROAD
P.O. BOX 925
WILLISTON, VERMONT 05495

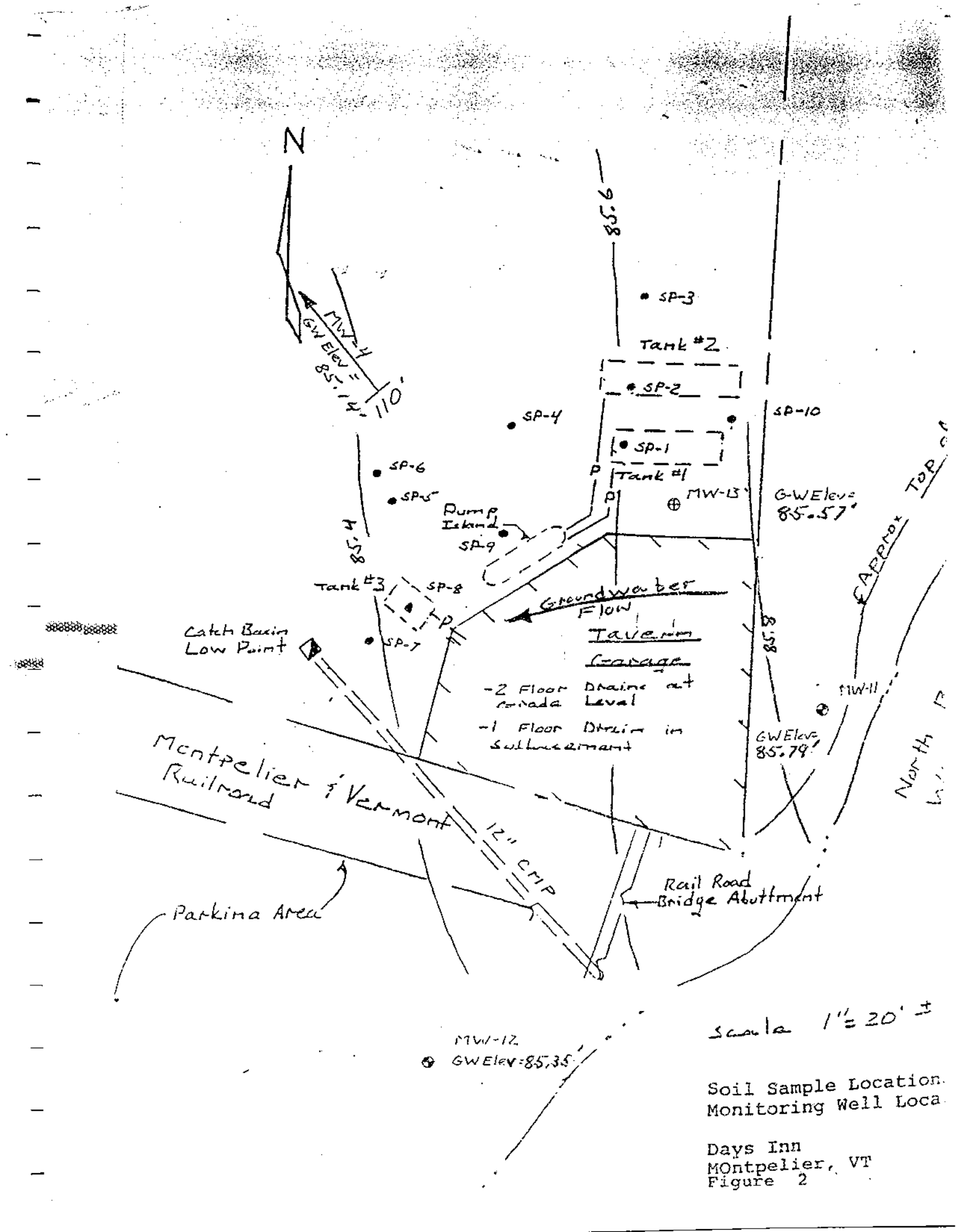
SITE LOCATION MAP

SITE LOCATION
Days Inn
Montpelier, VT

SOURCE U.S.G.S.
PROJECT # 93-250-113
SCALE 1:24,000

FIGURE -1-

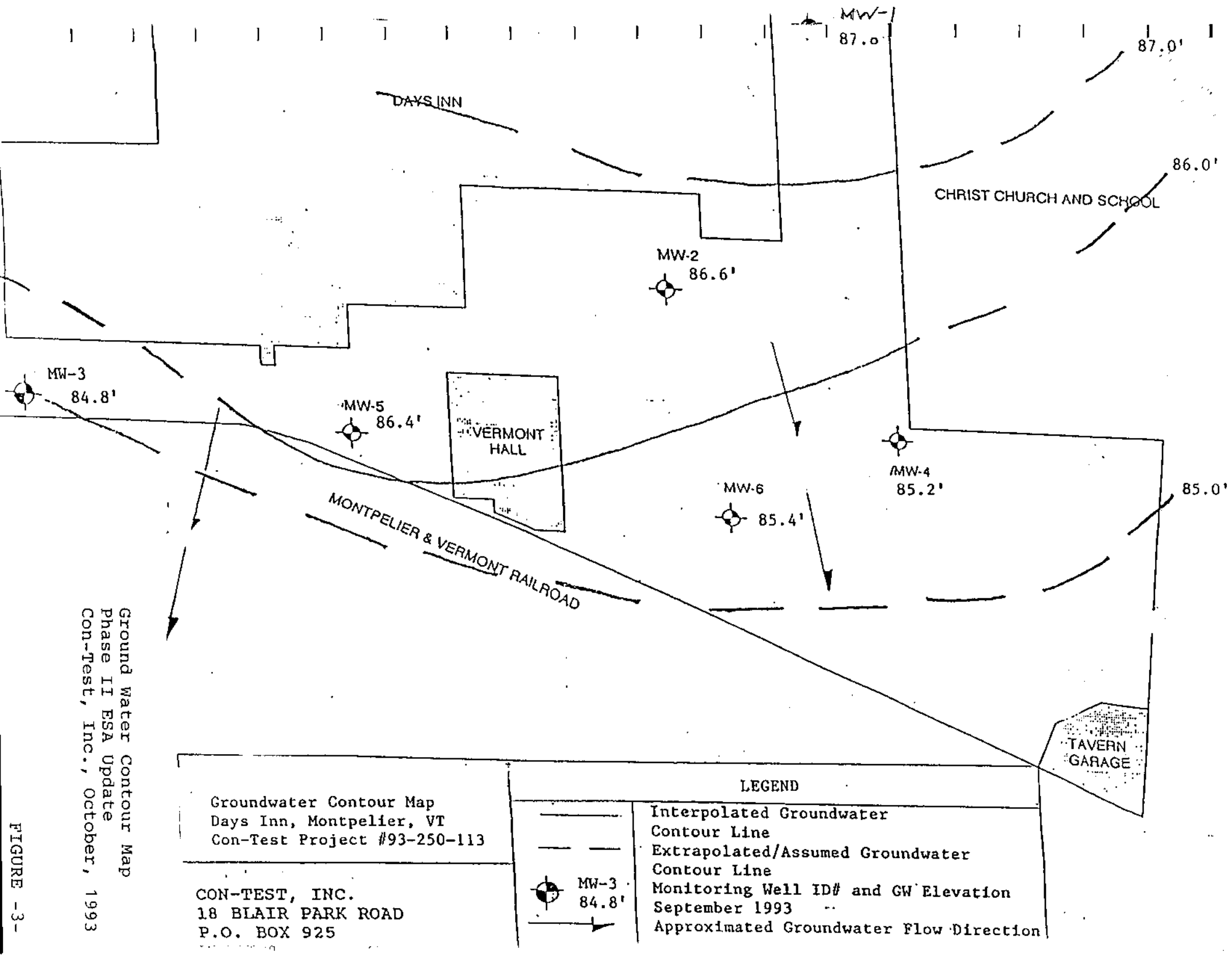
Figure 2 - Soil Sample/Monitoring Well Locations



Soil Sample Location
Monitoring Well Loca

Days Inn
MOntpelier, VT
Figure 2

Figure 3 - Groundwater Contour Map



Ground Water Contour Map
Phase II ESA Update
Con-Test, Inc., October, 1993

FIGURE -3-

Figure 4 - Summary Previous Analytical Results

SUMMARY OF ANALYTICAL RESULTS
Phase II Environmental Site Assessment Update
DAYS INN & TAVERN GARAGE
100 STATE STREET,
MONTPELIER, VT

Matt M 4/95

Matt M 4/95

EPA METHOD 8240 VOC ANALYSIS COMPOUND	PHASE II MAY-92	PHASE II OCT-93	Phase III May/June-94	VT STATE ENFORCEMENT STANDARD	PREVENTIVE ACTION LEVEL
(cis, trans) 1,2-Dichloroethene Dichloroethylene	MW-1 ~~ND~~ 8 ppb MW-2 21 ppb MW-3 ND MW-4 ND MW-6 ND	MW-1 ~~ND~~ <7 (LOD) MW-2 DUP 17 ppb MW-3 <7 (LOD) MW-4 <7 (LOD) MW-6 9 ppb	MW-1 <7 ppb(LOD) MW-2 32 ppb NA NA NA	70 ppb	35 ppb
Trichloroethene- Trichloroethylene	MW-2 9 ppb MW-6 ND	MW-2 DUP 5 ppb MW-6 <4 (LOD)	MW-2 6 ppb NA	5 ppb	0.5 ppb
Tetrachloroethene	MW-1 ND MW-2 7 ppb	MW-1 ND MW-2 DUP <4 (LOD)	MW-1 <4 ppb(LOD) MW-2 6 ppb	0.70 ppb	0.07 ppb
Chloroform	MW-1 8 ppb MW-2 7 ppb	MW-1 <7 (LOD) MW-2 ND	MW-1 <7 ppb(LOD) MW-2 <7 ppb(LOD)	100 ppb	

LOD = Limit of Detection
ND = Non-Detection
NA = No Sample Analyzed

FIGURE 4

Appendix A - UST Tank Removal Report and Tank Pull Forms

Summary
Tank Removal
at
Day's Inn and Tavern Garage
100 State Street
Montpelier, VT

Prepared by

CON-TEST
18 Blair Park Road
Williston, VT 05495
802 879 3008
September 30, 1993

Three tanks at the Tavern Garage were removed on September 24, 1993. At the site to perform the work was Pollution Solutions,the tank removal contractor and Con-Test, the environmental consultant representing a potential buyer of the property. Both the contractor and consultant have offices in Williston,Vermont.

During the removal process soil vapors were analyzed using a Microtip MP-1000 Organic Vapor Meter. The measurement of soil vapor was implemented in order to assess the level of petroleum contamination in the soils during field activities. The methods utilized are in conformance with practices acceptable by the State of Vermont, Department of Environmental Conservation, VT DEC. Soil samples were obtained at depths of 1 foot and 4 feet below the bottom of the tank, after tank removal was completed. A back-hoe was used for this purpose. Soil material for soil vapor analysis was obtained from material excavated by the back-hoe by removing the surface material and immediately collecting the sample. Soil material was placed in a zip lock bags and broken up by manipulating the bag. The sample was then allowed to sit for approximately 5 minutes. The soil vapor readings were obtained by slipping the probe of the instrument through a small opening in the bag and then quickly resealing the bag.
The maximum stable reading was taken before the readings began to drop.

TANK REMOVAL AND SOIL GAS VAPOR RESULTS

TANK # 1 (refer to Site Map)
1- 2500 gallon tank used to store gasoline. After the tank was opened for cleaning, rags and sludge was observed indicating that waste oils had most recently been disposed of in the tank. Approximately 130 gallons was removed from this tank. The tank appeared in good condition. No leaking was observed in the surrounding soils or from the tank. Soil Vapor readings indicated the following:

West End, 1 ft below tank bottom	47.6 ppm
West End, 4 ft below tank bottom	43.0 ppm
East End, 1 ft below tank bottom	16.9 ppm
East End, 4 ft below tank bottom	42.5 ppm

TANK # 2

1- 3400 gallon tank used to store gasoline. The tank appeared in good condition. No leaking was observed in the surrounding soils or from the tank. Approximately 260 gallons of gasoline product were pumped from the tank. Soil Vapor readings indicated the following:

West End, 1 ft below tank bottom	> 2500 ppm
West End, 4 ft below tank bottom	300 ppm
East End, 1 ft below tank bottom	70 ppm
East End, 4 ft below tank bottom	57 ppm

TANK # 3

1-500 gallon tank used to store # 2 fuel oil. The tank was in good condition and no observed leakage was present in the soils or from the tank. Approximately 200 gallons fuel oil was pumped from this tank and transferred to another tank that is currently in use at the Day's Inn property. Soil Vapor readings indicated the following:

Center Tank, 1 ft below tank bottom	756 ppm
Center Tank, 4 ft below tank bottom	> 2500 ppm
Center Tank, 5.5 ft below tank bottom	70 ppm

CONCLUSIONS

Although no staining of soils, free product or leakage was observed it is apparent from the Soil Vapor readings and the strong odor of gasoline that a release of gasoline product had occurred. The strongest reading, 2500 ppm, occurred at the west end of Tank # 2 at 1 ft below the tank bottom. The reading at the same location at 4 ft below the tank had dropped to 300 ppm.(this is approximately 12 feet below grade). A high reading of 2500 ppm also occurred in the tank grave of the fuel oil tank, TANK # 3. This reading was considered unusual for a fuel oil product.

It is possible that the contamination noted at Tank # 1 and Tank # 3 is a result of either a leak in tank # 2 or the supply lines for Tank # 2. It is suspected that the supply lines was the source of leaking as no holes in the tank were readily observable.

Soils removed during the excavation that exhibited Soil Vapor readings above 2500 ppm were not used as backfill and were stockpiled at the site on plastic sheeting.

The consultant notified the VT DEC of the release of petroleum product observed during the tank removal process. The reporting documents are attached with this summary. The VT DEC has recommended that additional investigation be undertaken to fully characterize the extent of petroleum contamination and prepare plans for remediation of the effected media to meet state and federal requirements.

d:\files\93250113.1

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
UNDERGROUND STORAGE TANK PROGRAM
103 SOUTH MAIN STREET
WATERBURY, VERMONT 05671-0404
(802) 244-8702

Date of Removal: 9/24/93 Date of Assessment: To Be Completed
Person & Company Doing Assessment: Peter Burger, P.E., CON-TEST, Inc.
Telephone Number: (802)879-3008

Business Name Where Tank(s) Located: Tavern Garage (Part of Days Inn Property)
Number of Employees: No employees, Garage not operating.
Street Address & Town/City: 100 State Street, Montpelier, VT
Owner of Tank(s): Louis Buscomi
Address: 2 Wood Street
Town/City: Hopkington, MA
Contact Person: Hal Croft, Recoll
Phone Number: (617) 573-2647

UST Facility ID Number:

Tank #	Product	Size	Condition
1	Gasoline/Waste Oil*	2500	good
2	Gasoline	3400	good
3	Fuel Oil	500	good
4			

* When the tank was opened, sludge & rags were present indicating wastes were disposed of.

Reason for Tank Removal (check one): [X] abandoned [ ] routine replacement [ ] tank or piping leaking [ ] liability

Replacement Tank(s)? [ ] yes [ ] no Number of Replacement Tanks: _____

DEC UST Permit(s) Obtained? [ ] yes [ ] no

DEC-Permitted Tank(s) Still On-Site? [ ] yes [ ] no Number of Tanks: _____

Out of Service Tank(s) On-Site? [ ] yes [ ] no Number of Tanks: _____

Heating Oil Tank(s) On-Site? [X] yes [ ] no No. of Tanks: 1 Size(s): 10,000 gallo Fuel Oil

Any Waste Pumpage? [X] yes [ ] no Estimated Volume: Tank #1-130 gallons, Tank #2-260 gallons, Tank #3-200 gallons, Tank #2 transferred to other Heating Oil tank on-site.

Transported By: P Pollution Sollutions, Williston, VT

Size of Excavation: (Tank #1&2 270 ft²) x 8 ft Tank Depth: # 3 30 ft² x 6 Soil Type: Sandy Fill

Concentrations Detected with PID: Peak = 2500 ppm Average = 40-50 ppm (excluding peaks)

Type of PID: MICROTIP MP-1000

Number of Readings (please put locations on attached drawing): 6

Calibration Info. (date, time, type of gas): 9/23/93, afternoon, Isobulylene reported

Free Phase Product Encountered? [ ] yes [X] no Approx. Amount: _____

Cont. Soils Stockpiled? [X] yes [ ] no Amount (yd³): 5-6

Cont. Soils Backfilled? [X] yes [ ] no Amount (yd³): 42

Soils with vapor PID >2500 ppm were stockpiled.

Groundwater Encountered? [ ] yes [X] no Depth to Groundwater: 11-12 ft (from past reports)

Monitoring Wells Installed? [X] yes [ ] no Number: 8 Screen Depth: In Groundwater

Monitoring Wells have been installed as part of a Phase II ESA.

On-Site Drinking Well? [ ] yes [X] no [if yes: [ ] rock [ ] gravel [ ] spring]

Public Water Supply Well(s) Within ½ Mile? [ ] yes [X] no

Distance to nearest: _____

Private Water Supply Well(s) Within ½ Mile? [X] yes [ ] no How Many? 2

Samples Collected for Laboratory Analysis? [X] yes [ ] no How Many? 3 Soil, 8 Groundwater

[check all that apply: [X] soil [X] groundwater [ ] drinking water]

Receptors Affected (check all that apply):

[X] soil [ ] residential; # of houses/people: _____

[X] groundwater [X] surface water; name/type of water body: Winooski River

Signature of Owner or Authorized Representative: _____
Date: _____

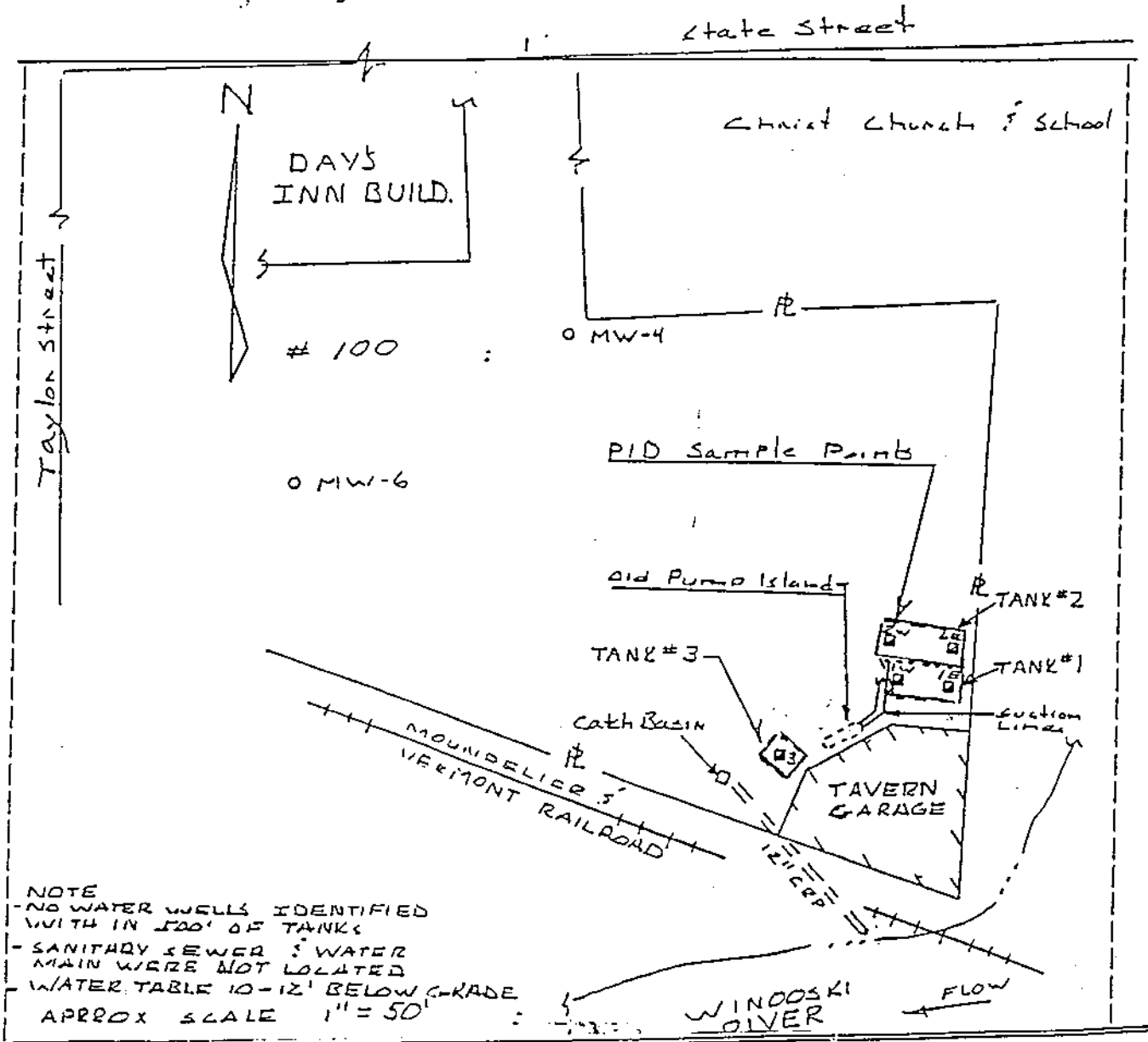
Signature of Person Performing Site Assessment: P. K. Burger
Date: 10/21/93 P. Peter Burger

*** ATTACH OBSERVATIONS, CONCLUSIONS, AND DRAWING ON A SEPARATE PAGE ***

Figure -3-

BUSINESS NAME WHERE TANK(S) LOCATED:
Day's Inn and Tavern Garage, 100 State St., Montpelier, VT

Show location of all tanks and property boundary; distance to permanent structures; monitoring wells; water wells within 500 foot radius; storm; sewer and water lines; sample points; areas of contamination and other pertinent site information. Indicate North arrow and major street names or route number.



SITE LOCATION MAP

CON-TEST, INC.
18 BLAIR PARK ROAD
P.O. BOX 925
WILLISTON, VERMONT 05495

SITE LOCATION
Days Inn
Montpelier, VT

SOURCE
PROJECT # 93-250-113
SCALE

Appendix B - Phase III Work Plan & October 13, 1993 letter from VT DEC SMS

con-test®
ENVIRONMENTAL CONSULTING-TESTING

Copy: Work Plan
VT DEC Response

November 19, 1993

Mr. Fred Bashara
FGB CORPORATION
Box 99
Montpelier, Vermont

Re: Environmental Consulting Services for
a Phase III Site Assessment
of Days Inn Property, Montpelier, Vermont
Proposal # 7103

Dear Mr. Bashara:

This Letter Agreement is in response to your request for professional environmental consulting services from **CON-TEST, Inc.** environmental consulting and testing (hereinafter referred to as "the CONSULTANT") in connection with a Phase III Site Assessment at the Days Inn in Montpelier, Vermont (hereinafter referred to as "the PROJECT") for the **FGB CORPORATION** (hereinafter referred to as "the CLIENT"). The CLIENT is expected to furnish the CONSULTANT with full information as to the CLIENT's requirements including any special or extraordinary services needed and also to make available all pertinent existing data regarding the PROJECT.

PROJECT DESCRIPTION:

It is the understanding of the CONSULTANT that the CLIENT requires the a Phase III Site Assessment with some additional sampling as described in the Scope of Services. This is being performed to comply with the request of the State of Vermont Department of Environmental Conservation letter dated October 13, 1993.

SCOPE OF SERVICES: The CONSULTANT's services will consist of the following:

Petroleum Contaminated Soil/Groundwater, characterize the extent of soils and ground water contamination in the area of the 3 removed USTs.

18 Blair Park Road • P.O. Box 925 • Williston, VT 05495 • FAX 802/878-6625 • TEL 802/879-3008

1). Groundwater Characterization

Refer to Figure 3

The proposed Groundwater Characterization will include the installation and sampling of 3 Monitoring Wells located as shown on Figure 3. The wells will be designated MW-11, MW-12 and MW-13. MW-11, MW-12 and MW-13 have been located hydraulically down gradient from the tank graves. The wells will be installed following standard Protocols for this work. Monitoring wells will be developed within 24 hours of installation. Sampling will be performed by following standard protocols for this type of work. The wells will be screened a minimum of 5 ft. into the water table. Ground water is approximately 12 feet below the surface at this location. MW-4, an existing well, will serve as the upgradient/background well for this grouping.

Location:

MW-13 will be located adjacent and down gradient of former tanks 1 & 2. The purpose is to determine the quality of ground water at the area of the highest soils contamination. This well can be eliminated if soils exploration indicates that soil contamination has not reached the water table.

The recommended location for MW-11 is southeast of tank grave # 1 & 2 approximately 40 feet, on property of Christ Church. The recommended location for MW-12 is south of the tank grave #3, approximately 50 feet. This is on property presumed to be owned by the City of Montpelier. Both the owners of the off site properties will receive a copy of this report for their review and appropriate approvals will be obtained before work is implemented. Monitoring Wells will be installed on the Day's Inn Property if the required approvals are not obtained for off site well installation.

Actual Well locations will be determined in the field and located on City of Montpelier Assessors Mapping or suitable alternative mapping.

SAMPLING SCHEDULE:

Monitoring Wells #4, 11, & 12 (13) will be sampled as a group for the Characterization of groundwater resulting from the former UST's. This sampling event should occur possibly in December, 1993. These wells will be sampled again in the spring, 1994 at the same time other groundwater sampling is scheduled to occur. (See item #4).

ANALYSIS: Groundwater collected for sampling will be analyzed for Total Petroleum Hydrocarbons using EPA Method 418.1, BTEX using EPA Method 8020 and Total Lead.

JUSTIFICATION: The methods noted above are appropriate for assessing the extent of groundwater degradation resulting from a release of gasoline.

2) Soil Characterization

Refer to Figure 4 & 5

The soils at the site are contaminated with petroleum hydrocarbons. Based on review of the UST Removal Report (Appendix A) it appears that the petroleum contamination is a result of leaking gasoline from tank #2 which was the largest of the tanks. The tank is reported to have been in good condition with no observable holes. It is suspected that the supply lines to this tank as well as other tanks were the cause of petroleum contamination. Figure 4 outlines the suspected area of petroleum contamination based on review of the UST Removal Report.

In order to fully characterize the vertical and horizontal extent of soil contamination, soil samples will be obtained using a grid pattern around the location of the UST's. The grid spacing is 10 feet and is illustrated on Figure 5. Samples will be obtained at 5 ft. intervals to the water table using a split spoon sampler driven by a truck mounted hammer and auger. The proposed sample depths are 5-7 ft., 10-12 ft. and 15-17 ft.. Sample depths may be adjusted during the sampling event based on field conditions. Sampling at each location will be discontinued with the first sample that encounters the groundwater table. The water table in this area is presumed to be approximately 12 feet below the surface. Standard soil sampling protocols will be followed for this work. The grid will be enlarged by 10 foot increments if it is found that significant Soil/Vapor concentrations are observed at the outside sample point locations. Significant concentrations shall be considered PID readings greater than 25 ppm.

Approximately 20 sample points are planned for this work. An estimated 40 to 60 samples will be obtained for soil/gas vapor screening. Five (5) soil samples are estimated to be submitted to an analytical laboratory for analysis by Total Petroleum Hydrocarbons (TPH) using EPA Method 418.1, BTEX using EPA Method 8020, and Total Lead. These samples will be obtained at the hot spots located in the tank grave and from terminus sample points. The purpose of this analysis will be to provide some correlation between Soil/Vapor PID readings at the site and obtain actual soil contamination levels for further consideration in the event that additional action is required.

Following the completion of the soil and groundwater investigation, a report will be prepared for submittal to the Vermont SMS. This report will document the findings of this investigation and assess whether any receptors are presently being impacted by the past release of gasoline or the presence of gasoline in the site soils.

3) Contaminated Soil Stockpile

Approximately 6 to 7 cubic yards of petroleum contaminated soils remain stockpiled on site enclosed in plastic. PID readings on vapors from this soil stockpile exceeded 2500 ppm at the time the soil was excavated. The following actions are possible to treat and dispose of the soils.

Because the soil stockpile is in an open parking area accessible to the public and there is only a small quantity of soil, only options that include off site transport and disposal and or treatment are being considered.

OFF SITE DISPOSAL OPTIONS

OPTION # 1: Transport and dispose of the soil at a landfill.
REQUIREMENTS: Soil/Vapor reading of below 100 ppm required.

OPTION # 2: Transport soil and treat and dispose of soil at an Asphalt Batching Plant. Soil must be transported as a "Special Waste".
REQUIREMENTS: Soils must be less than 5% Total Petroleum Hydrocarbons.

OPTION # 3: Transport contaminated soils for Off Site Treatment at an incinerator or other appropriate facility that will reduce contaminant levels. The cost associated with this option is the highest. The contaminated soils may be required to be manifested and transported as a Hazardous Waste.

ON SITE TREATMENT OPTIONS

OPTION # 1: Do nothing and allow natural attenuation of soil contamination to occur until levels are low enough to transport off site.

OPTION # 2: Provide venting for soil stockpile. This could be provided with perforated vent pipes to allow fresh air circulation within the stockpile. This will accelerate the natural process of contaminant level reduction.

RECOMMENDATIONS

Present PID readings of the soil stockpile along with one or more samples for TPH analysis should be obtained so that final disposition of the soil stockpile can be determined. It is recommended that this analysis be performed in the near future and possibly with other sampling activities described in this report.

It is presumed that at the time of this report the soil stockpile exceeds PID readings of 100 ppm based on the reported level of contamination at the time the soils were removed from the tank

excavation (September 24, 1993).

If based on TPH analysis, the soil pile is unsuitable for Asphalt Batch Plant Disposal, we recommend that the soil pile be vented and allowed to sit throughout the winter and additional PID readings and TPH analysis be performed in the spring of 1994.

Following re-sampling in the spring of 1994, if soil contaminant levels have not dropped to levels suitable for OPTION #1 or #2 disposal, OPTION #3, Off Site Treatment will be evaluated as a possible action if continued on site treatment through natural/passive means is considered undesirable, considering the location of the stockpile and the surrounding area/environment.

4) VOC Groundwater Monitoring

Monitoring Wells #1, 2, 3, 4 & 6 have historically shown levels of VOC contamination. The contaminant levels have been decreasing. The last sampling event showed that no other monitoring wells had VOC's contamination occurring at levels above instrument detection limits or State of Vermont Enforcement Standards for groundwater with exception of MW-2, which had trichloroethylene occurring at 5 ug/kg, this is also the Enforcement Standard for this compound. Trace levels of some VOC's have been found in MW #3, 4 & 6.

SAMPLE LOCATIONS:
Monitoring Wells #1 and 2 will be re-sampled in the spring of 1994 at the time of other sampling events that are scheduled. Sampling of these wells has been requested by the VT SMS in order to continue monitoring contaminant levels and assure that contaminant levels are dropping.

ANALYSIS: VOC's by EPA Method 8240.

JUSTIFICATION: Method 8240 is an appropriate method for VOC's. This method has been historically used at this site and has been recommended for use by the VT SMS.

5) Sealing the Tavern Garage Floor Drains

It is reported that 3 floor drains exist in the Tavern Garage. These drains discharge to the Winooski River through the 12 inch storm sewer adjacent to the building. The Tavern Garage shall be inspected to determine the location of all drains that discharge to the Winooski River. These drains shall be abandoned by filling with a Non-Shrink cement grout. The grout shall penetrate the drain pipe at least 24 inches or the maximum extent possible if less than 24 inches.

A written report will discuss the findings including sample collection techniques, analysis results, conclusions and recommendations. This report will be signed by a Professional Engineer. Conclusions and recommendations will be based solely on the services described above.

Attached is the compensation package for the aforementioned proposal. If you have any questions regarding our proposal please do not hesitate to call me at (802) 879-3008. Thank you for using Con-Test, Inc. for your Environmental Management Services.

Sincerely,

CON-TEST, INC.
environmental consulting - testing

Ed Lydon
Branch Manager

cc: Charles Shea, ESQ.
Chuck Schwer, VT. DEC.

State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
Natural Resources Conservation Council

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Hazardous Materials Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404
(802) 241-3888
FAX (802) 244-5141

October 13, 1993

Mr. Fred Bashara
FGB Corporation
Box 99
Montpelier, VT 05602

Re: Days Inn, Montpelier (Site # 92-1239)

Dear Mr. Bashara:

The Sites Management Section (SMS) has reviewed the UST removal report and the Preliminary Expanded Environmental Site Assessment Report prepared by Con-test for the above referenced site. Based on the information contained in these reports, the SMS has reached the following conclusions:

1. Three underground storage tanks (USTs) were removed on September 24, 1993. Contamination at levels requiring further investigation was measured in the area of all three USTs. Approximately 6 cubic yards of petroleum contaminated soil was removed from the ground and stockpiled on site.

2. Groundwater samples collected from all wells with the exception of MW-7 and MW-8 which could not be located, were tested for volatile organic compounds (VOC) using EPA Method 8240. The only VOCs detected were 1,2,- dichloroethane at 17 ppb and trichloroethene at 5 ppb. These concentrations are below the State of Groundwater Enforcement Standards. The source of this contamination is unknown.

3. The floor drain does not appear to be contributing contamination to the Winooski River. This drain remains open.

As a result of these findings, the SMS requests the following additional work be performed at this site:

A. Further define the degree and extent of contamination to the soils and groundwater in the areas of the three USTs. This work should involve the installation of a sufficient number of monitoring wells which will fully characterize the extent of the contamination.

B. Develop and implement a plan to properly treat and dispose of the stockpiled petroleum

APPENDIX B

contaminated soils.

C. Collect and analyze groundwater samples from MW-1 and MW-2 in the spring of 1994 to determine the long term fate of the solvent contamination identified on the property. These samples will need to analyzed using EPA Method 8240.

D. Properly seal the floor drain in the former Tavern Garage.

Please see that a workplan is developed for the above mentioned tasks and sent to the SMS for approval prior to initiating any of this activity. This will ensure that any appropriate Petroleum Cleanup Fund work will be eligible for reimbursement.

Please feel free to call if you have any questions or comments.

Sincerely,

Chuck Schwer, Supervisor
Sites Management Section

CC: Peter Burger, Con-test

CBS/Petro/Days3.ltr

Appendix C - Drill Logs and Well Construction Diagrams

CON-TEST Inc.
WATER AND AIR ENGINEERING

LOG OF BORING NO. MW-11
DATE DRILLED: 12/7/93
PROJECT: 93250113
JOB #
DETECTOR:

SAMPLE NUMBER	BLOWS PER 6 INCHES	INCHES RECOVERED / INCHES DRIVEN	WATER ELEVATION	DEPTH IN FEET	WELL OR PIEZOMETER CONSTRUCTION	GRAPHIC LOG	DESCRIPTION	TESTS
				5'				
				10'				
				15'				
				20'				
				25'				
				30'				

COMMENTS:

GEOLOGIST: DRAWN BY: EPB

FILTER PACK: 5.0 TO 16.0
BENTONITE: 3.0 TO 5.0
SCREEN: 6.0 TO 16.0

WATER LEVEL MEASUREMENTS
▽:
DATUM:
PURGING:

CON-TEST Inc.
WATER AND AIR ENGINEERING

LOG OF BORING NO. MW-12
DATE DRILLED: 12/7/93
PROJECT: 93250113
JOB #
DETECTOR:

SAMPLE NUMBER	BLOWS PER 6 INCHES	INCHES RECOVERED / INCHES DRIVEN	WATER ELEVATION	DEPTH IN FEET	WELL OR PIEZOMETER CONSTRUCTION	GRAPHIC LOG	DESCRIPTION	TESTS
				5'				
				10'				
				15'				
				20'				
				25'				
				30'				

COMMENTS:

GEOLOGIST: DRAWN BY: EPB

FILTER PACK: 19.0' TO 8.0'
BENTONITE: 8.0' TO 6.0'
SCREEN: 19.0' TO 9.0'

WATER LEVEL MEASUREMENTS
▽:
DATUM:
PURGING:

CON-TEST Inc.
WATER AND AIR ENGINEERING

LOG OF BORING NO. MW-13
DATE DRILLED: 12/7/93
PROJECT: 93250113
JOB #
DETECTOR:

SAMPLE NUMBER	BLOWS PER 6 INCHES	INCHES RECOVERED / INCHES DRIVEN	WATER ELEVATION	DEPTH IN FEET	WELL OR PIEZOMETER CONSTRUCTION	GRAPHIC LOG	DESCRIPTION	TESTS
				5'				
				10'				
				15'				
				20'				
				25'				
				30'				

COMMENTS:

GEOLOGIST: DRAWN BY: EPB

FILTER PACK: 17.5' TO 6.6'
BENTONITE: 6.6' TO 4.6'
SCREEN: 17.5' TO 7.5'

WATER LEVEL MEASUREMENTS
▽:
DATUM:
PURGING:

SOIL PROBE LOG

MW # 11
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
4-6'	1 2 4 6	2"	Moist.	Dark brown fine to coarse sands, some silt, some gravel (fill).
9-11'	1 1 2 3	18"	Wet.	Dark brown silty fine sands.
14-16'	4 14 13 27	11"	Sat'd.	Gray/brown fine to coarse sands, gravel and silt.
				Auger to 16', set well.
				2 hours - well development.
				Screen 16' to 6' below GS.
				Riser to surface.
				Sandpack 16' to 5' below GS.
				Hole plug 5' to 3' below GS.
				Backfill.
				Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 6' riser, 1 cap, 1 locking plug, 3 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

MW # 13
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
5-7'	3 3 3 12		Dry.	Brown sandy gravely fill. Some silt, clay and fill (cinders and brick).
10-12'	2 3 2 5		Dry.	Light brown fine and very fine sands, trace of silt.
15-17'	1 2 4 3		Sat'd.	Dark brown medium/fine sands and organic matter (leaves, twigs and woodchips).
				Auger to 17'6", set well.
				2 hours - well development.
				Screen 17'6" to 7'6" below GS.
				Riser to surface.
				Sandpack 17'6" to 6'6" below GS.
				Hole plug 6'6" to 4'6" below GS.
				Backfill.
				Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 7.5' riser, 1 cap, 1 locking plug, 3 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

MW # 12
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

	SAMPLER	
	Continuous	
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
5-7'	3	3	4	.4" Dry. Brown medium/fine sands and small gravel.
10-12'	1	3	4	Moist. Olive/brown silt and clay. Some fine sands. Thin shale layer in middle.
15-17'	1	5	6	Moist. Gray/brown silt, clay and fine sands over fine to coarse sands towards tip 7".
9'6"-21'6"	7	10	10	.10 Sat'd. Brown fine to coarse sands and small to medium gravel, some shale.
				Set well 19'.
				Strong sweet odor from cuttings on auger flights.
				Screen 19' to 9' below GS.
				Riser to surface.
				Sandpack 19' to 8' below GS.
				Hole plug 8' to 6' below GS.
				Backfill.
				Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 9' riser, 1 cap, 1 locking plug, 3.5 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

SP # 1
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous	SOIL
			Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
5-7'	2 5 7 6	Dry.	Medium brown medium/fine sands.
10-12'	5 4 5 6	Dry.	Light brown fine sands, trace of silt.
			Auger refusal 14'.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
5-7'	2 1 1 1		No recovery.
10-12'	5 7 7 8		Brown silty fine sands.
12-14'	1 3 100/4"		Brown medium/fine sands.
			Auger refusal 13'6".

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 3
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
			Auger refusal 3'.
			Move back 3', try again.
5-7'	7 6 7 6		Dark brown sand, gravel and small stones.
10-12'	3 3 2 3		Brown silty fine sands.
			Auger refusal 13'6".

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

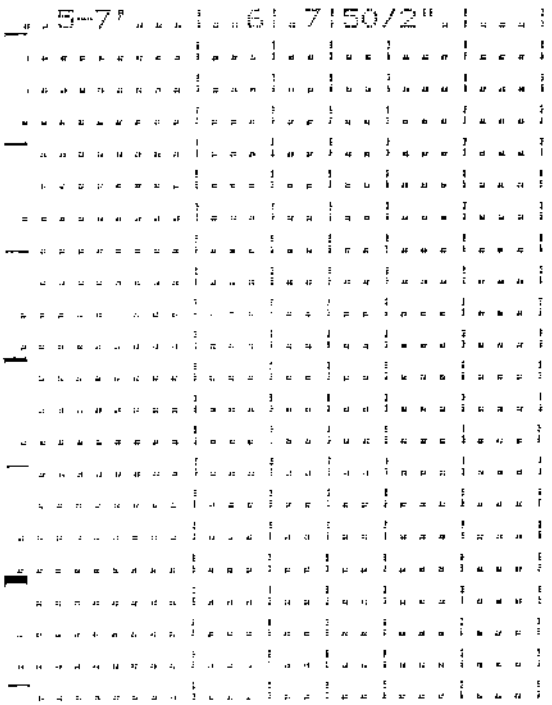
SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous	SOIL Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
5-7'	6 | 7 | 50/2"		Dark brown sands, gravel and wood (fill). Auger refusal 6'.



Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 5
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
			Auger refusal 3'.
			Move 5', try again.
5-7'	6 5 12 13		Sand, gravel and wood (fill).
10-12'	9 7 12 11		Brown sand, silt and gravel.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 6
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

	SAMPLER	
	Continuous	
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
4-6'	1 2 1 1			Black sands and small gravel.
8-10'	1 3 3 4		Moist.	Brown clay, some silt.
10-12'	2 2 3 4		Moist.	Gray clay.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP ~~#7~~ SP #8
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER	SOIL
		Continuous	Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
4-6'	2	1	Moist.	Dark brown silt, fine sands, and gravel.
10-12'	1	3	Moist.	Gray silty fine sands and small pebbles, some clay.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 8 ~~SP # 7~~

Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER	SOIL
		Continuous	Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
3-5'	8 9 16 13	Dry.	Brown sands and gravel, some shale.
8-10'	3 3 4 6		

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 9
Days Inn
Montpelier, VT

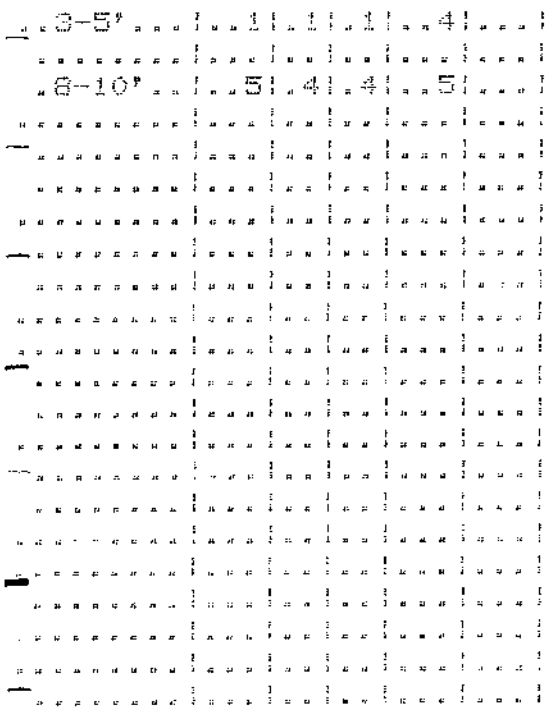
TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24) REC	DRILLER'S NOTES & COMMENTS
3-5'	1 1 1 4	Brown sand and gravel.
8-10'	5 4 4 5	Silt, fine brown sands and gravel.



Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

MW # 11
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC					DRILLER'S NOTES & COMMENTS
4-6'	1	2	4	6	2"	Moist.	Dark brown fine to coarse sands, some silt, some gravel (fill).
9-11'	1	1	2	3	18"	Wet.	Dark brown silty fine sands.
14-16'	4	14	13	27	11"	Sat'd.	Gray/brown fine to coarse sands, gravel and silt.
							Auger to 16', set well.
							2 hours - well development.
							Screen 16' to 6' below GS.
							Riser to surface.
							Sandpack 16' to 5' below GS.
							Hole plug 5' to 3' below GS.
							Backfill.
							Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 6' riser, 1 cap, 1 locking plug, 3 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

MW # 13
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
5-7'	3 3 3 12	Dry.	Brown sandy gravely fill. Some silt, clay and fill (cinders and brick).
10-12'	2 3 2 5	Dry.	Light brown fine and very fine sands, trace of silt.
15-17'	1 2 4 3	Sat'd.	Dark brown medium/fine sands and organic matter (leaves, twigs and woodchips).

Auger to 17'6", set well.

2 hours - well development.

Screen 17'6" to 7'6" below GS.
Riser to surface.
Sandpack 17'6" to 6'6" below GS.
Hole plug 6'6" to 4'6" below GS.
Backfill.
Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 7.5' riser, 1 cap, 1 locking plug, 3 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

MW # 12
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

	SAMPLER	
	Continuous	
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/07/93 DATE COMPLETED: 12/07/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
5-7'	3 3 3 4	4"	Dry. Brown medium/fine sands and small gravel.
10-12'	1 3 3 4		Moist. Olive/brown silt and clay. Some fine sands. Thin shale layer in middle.
15-17'	1 5 4 6		Moist. Gray/brown silt, clay and fine sands over fine to coarse sands towards tip 7".
9'6"-21'6"	7 10 10 10		Sat'd. Brown fine to coarse sands and small to medium gravel, some shale.

Set well 19'.

Strong sweet odor from cuttings on auger flights.

Screen 19' to 9' below GS.
Riser to surface.
Sandpack 19' to 8' below GS.
Hole plug 8' to 6' below GS.
Backfill.
Install road box.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: 10' screen, 9' riser, 1 cap, 1 locking plug, 3.5 sand, 1 hole plug, 1 road box.

SOIL PROBE LOG

SP # 1
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
5-7'	2 5 7 6	Dry.	Medium brown medium/fine sands.
10-12'	5 4 5 6	Dry.	Light brown fine sands, trace of silt.
			Auger refusal 14'.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
5-7'	2 1 1 1		No recovery.
10-12'	5 7 7 8		Brown silty fine sands.
12-14'	1 3 100/4		Brown medium/fine sands.
			Auger refusal 13'6".

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
			Auger refusal 3'.
			Move back 3', try again.
5-7'	7 6 7 6		Dark brown sand, gravel and small stones.
10-12'	3 3 2 3		Brown silty fine sands.
			Auger refusal 13'6".

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 4
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
5-7'	6 | 7 | 50/2"		Dark brown sands, gravel and wood (fill).
			Auger refusal 6'.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER	SOIL
		Continuous	Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
			Auger refusal 3'.
			Move 5', try again.
5-7'	6 5 12 13		Sand, gravel and wood (fill).
10-12'	9 7 12 11		Brown sand, silt and gravel.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER	SOIL
		Continuous	Saturated
TYPE	HSA	SS	Wet
SIZE	2"		Moist
HAMMER	140#		Damp
FALL	30"		Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC		DRILLER'S NOTES & COMMENTS
4-6'	1 2 1 1			Black sands and small gravel.
8-10'	1 3 3 4		Moist.	Brown clay, some silt.
10-12'	2 2 3 4		Moist.	Gray clay.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

	SAMPLER	
	Continuous	
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC		DRILLER'S NOTES & COMMENTS
4-6'	2	1	Moist.	Dark brown silt, fine sands, and gravel.
10-12'	1 3 5 9		Moist.	Gray silty fine sands and small pebbles, some clay.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

SP # 8
Days Inn
Montpelier, VT

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS (6 12 18 24)	REC	DRILLER'S NOTES & COMMENTS
3-5'	8 9 16 13	Dry.	Brown sands and gravel, some shale.
8-10'	3 3 4 6		

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

SOIL PROBE LOG

TRI STATE
DRILLING & BORING, INC.
RFD #2, Box 113 West Burke, VT 05871
(802) 467-3123

		SAMPLER Continuous
TYPE	HSA	SS
SIZE	2"	
HAMMER	140#	
FALL	30"	

SOIL
Saturated
Wet
Moist
Damp
Slightly Damp

DATE STARTED: 12/08/93 DATE COMPLETED: 12/08/93

FOOTAGE DEPTH	BLOW COUNTS 6 12 18 24	REC	DRILLER'S NOTES & COMMENTS
3-5'	1 1 1 4		Brown sand and gravel.
8-10'	5 4 4 5		Silt, fine brown sands and gravel.

Client: Days Inn
Job Location: Montpelier, VT
Engineer: Con-Test
Williston, VT
Inspector: Rob/Peter

Driller: Edward Westover
Helper: Hank Dawson
Materials: No well.

Appendix D - Analytical Results

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ANALYTICAL LABORATORY
39 Spruce Street • P.O. Box 591 • East Longmeadow, MA 01028 • FAX (413) 525-6405 • TEL (413) 525-2332 (800) 621-9081

January 11, 1994

Robert Giordano
Con-Test Environmental

Invoice #93-250-113
Date Sampled: 12/28/93
Date Received: 12/29/93
Date Analyzed: 01/07/94

Ref: F.G.B. Corporation
Days Inn, 100 State Street
Monitoring Well #4

Sample Matrix: Water

The results of analyses requested are listed below:

MICROGRAMS/LITER

Lab # *Sample ID*	*93B24431* *(MW-4)*	*93B24434* *~~(MW-4)~~ MW-13*	*94B00111* *(Blank)*	*LOD*
Benzene	ND	ND	ND	1.0
Toluene	ND	ND	ND	1.0
Ethylbenzene	ND	ND	ND	1.0
Xylenes	ND	ND	ND	3.0

LOD = Limit of Detection
ND = Not Detected

Analytical Method: SW846-8020 Analyst: MFF

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Robert Giordano
Con-Test Environmental

Invoice #93-250-113
Date Sampled: 12/28/93
Date Received: 12/29/93
Date Extracted: 01/03/94
Date Analyzed: 01/03/94

Ref: F.G.B. Corporation
Days Inn, 100 State Street

Sample Matrix: Water

The results of analyses requested are listed below:

Lab # *Sample ID* *Location*	*Total Petroleum Hydrocarbons* *mg/l*
93B24432 (MW-4) Monitoring Well #4	0.21
93B24435 (MW-13) Monitoring Well #13	ND

Limit of Detection = 0.2 mg/l
ND = Not Detected

Analytical Method: TPH by InfraRed, EPA 418.1 Analyst: RMT

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Robert Giordano
Con-Test Environmental

Invoice #93-250-113
Date Sampled: 12/28/93
Date Received: 12/29/93
Date Analyzed: 01/10/94

Ref: F.G.B. Corporation
Days Inn, 100 State Street

Sample Matrix: Water

The results of analyses requested are listed below:

Lab # *Sample ID* *Location*	*Lead* *mg/l*
93B24433 (MW-4) Monitoring Well #4	0.52
93B24436 (MW-13) Monitoring Well #13	0.06

Limit of Detection = 0.02 mg/l

Analytical Method: EPA 200.7 Analyst: JMB

Comment(s): Samples were received in satisfactory condition.

Edward Denson
Signature

Tod Kopyscinski
Director of Operations

Edward Denson
Laboratory Director

file:250113/cw

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VOLATILES SURROGATE RECOVERY SUMMARY

DATE: 01/05/94

MATRIX: WATER

LAB I.D.	8010 1-CHLORO-2 FLUOROBENZENE		8020 1-CHLORO-2 FLUOROBENZENE	
	PPB RANGE (10.5-19.7)*	PERCENT RANGE (70-131)	PPB RANGE (12.3-17.5)*	PERCENT RANGE (81-117)
METHOD BLANK			14.8	99
94B00111			14.7	98
93B24431			14.8	99
93B24434			14.9	99

* = TRUE VALUE: 15 PPB

ANALYST: MFF
DATE: 01/05/94

QC APPROVAL: Tod E. Kopyscinski
DATE: 1/10/94

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TOTAL PETROLEUM HYDROCARBONS QA/QC SUMMARY

DATE: 01/03/94

MATRIX: AIR: ___ WATER: X SOIL: ___ OTHER: ___

MBL	**4.63**
CONC. SPIKE	**20 MG/L**
SAMPLE RESULT	**--**
CONC. MS	**19 MG/L**
% RECOVERY	**95%**
CONC. MSD	**18 MG/L**
% RECOVERY	**90%**
RANGE	**5%**

LABORATORY ESTABLISHED CONTROL LIMITS		
WATER	**% RECOVERY (71-101)**	**RANGE (0-17.2)**
SOIL	**% RECOVERY (59-109)**	**RANGE (0-23.0)**

COMMENT(S): RUN WITH 93B24432, 93B24435, 93B24497-24499, 94B00003

ANALYST: RMT **QC APPROVAL:** Gregory J. Fiske
DATE: 01/04/94

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FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • P.O. BOX 591 • EAST LONGMEADOW, MA 01028

Client Name: E. G. B. Corporation
Attn: Fred Basbara
Address: Box 99
Montpelier, Vermont
Site Location: DAYS INN, 100 State Street
Sampled: By: Robert Giordano
Call Results: Yes ____ No ____
Fax Results: Yes ✓ No ____

Telephone: ____
Batch #: ____
Contest Project #: 93-250-113
Client P.O. #: ____
Fax #: ____

Field Sample I.D.	Sample Description	Lab #	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX: WASTE WATER	MATRIX: GROUND WATER	MATRIX: DKG WATER	MATRIX: Soil	MATRIX: Air	MATRIX: *Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: BTEX 8020	Analysis Required: TPH 418.1	Analysis Required: TOTAL LEAD	
MW-4	MONITORING WELL #4	93B2443 1	12-28			✓		✓						V	✓			40ml vial
MW-4	MONITORING WELL #4	24432	12-28			✓		✓						A		✓		1 ltr amb.
MW-4	MONITORING WELL #4	24433	12-28			✓		✓						P			✓	250ml plast.
		~~24~~																
MW-13	MONITORING WELL #13	24434	12-28			✓		✓						V	✓			40ml vial
MW-13	MONITORING WELL #13	24435	12-28			✓		✓						A		✓		1 ltr amb.
MW-13	MONITORING WELL #13	24436	12-28			✓		✓						P			✓	250ml plast.
	TRIP BLANK	94B0011	12-28															

CONTAINER CODE
P: PLASTIC (____ Size) V = 40 ml vial G = Glass (____ size) A = 1000 ml Amber 0 = Other ____

PRESERVATIVE CODE:
I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ____

Relinquished by: (Signature)	Date Time	Received by: (Signature)
		Robert Giordano
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature) 12/29/93
		Lisa Hoffman

Turnaround Requested: ____ 24-Hour ____ 48-Hour X Normal
____ Other ____ Date Required

Remarks/Comments: no trip blank was sent (TB) 12-29-93
Preserve TPH samples at LAB
Due: 1/12/94

*MATRIX OTHER ____

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December 21, 1993

Peter Burger
Con-Test Environmental

Invoice #93-250-119
Date Sampled: 12/08/93
Date Received: 12/09/93
Date Analyzed: 12/10/93*, 12/13/93

Ref: Days Inn
Montpelier, VT

Matrix: Soil

The results of analyses requested are listed below:

Lab# Sample#	*Total Petroleum Hydrocarbons (mg/kg)*
93B22475 (GR-1)	410*
93B22476 (GR-2)	170
93B22477 (SP2-12)	99
93B22478 (SP10-8B)	40
93B22480 (SP8-10)	ND

Limit of Detection = 25 mg/kg
ND = Not Detected

Analytical Method: EPA 418.1

Analyst: RMT

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Peter Burger
Con-Test Environmental

Invoice #93-250-119
Date Sampled: 12/08/93
Date Received: 12/09/93
Date Analyzed: 12/17/93

Ref: Days Inn
Montpelier, VT

Matrix: Soil

The results of analyses requested are listed below:

Lab# *Sample#*	*Total Lead* *(mg/kg)*
93B22477 (SP2-12)	44.1
93B22479 (SP10-8A)	73.1
93B22480 (SP8-10)	26.3

Limit of Detection = 0.5 mg/kg

Analytical Method: SW846-7420

Analyst: KLF

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Peter Burger
Con-Test Environmental

Invoice #93-250-119
Date Sampled: 12/08/93
Date Received: 12/09/93
Date Analyzed: 12/17/93

Ref: Days Inn
Montpelier, VT

Matrix: Soil

The results of analyses requested are listed below:

MICROGRAMS/KILOGRAM

Lab# / *Sample#*	*93B22481* *(SP10-8)*	*93B22482* *(SP9-8)*	*LOD*
Benzene	ND	ND	5.0
Toluene	ND	ND	5.0
Ethylbenzene	ND	ND	5.0
Xylenes	ND	ND	15

Lab# / *Sample#*	*93B22483* *(SP8-10)*	*93B22484* *(SP2-12)*	*LOD*
Benzene	ND	ND	5.0
Toluene	ND	ND	5.0
Ethylbenzene	ND	ND	5.0
Xylenes	ND	ND	15

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 8020

Analyst: MFF

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Peter Burger
Con-Test Environmental

Invoice #93-250-119
Date Sampled: 12/08/93
Date Received: 12/09/93
Date Analyzed: 12/17/93

Ref: Days Inn
Montpelier, VT

Matrix: Soil

The results of analyses requested are listed below:

MICROGRAMS/KILOGRAM

Lab# *Sample#*	*93B22485* *(SP2-10)*	*LOD*
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
Xylenes	<15	15

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 8020

Analyst: MFF

Edward Denson

Signature

Tod Kopyscinski
Director of Operations

Edward Denson
Laboratory Director

HFD/250119A

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VOLATILES SURROGATE RECOVERY SUMMARY

DATE: 12/16/93

MATRIX: WATER/SOIL

LAB I.D.	601/8010 1-CHLORO-2 FLUOROBENZENE		602/8020 1-CHLORO-2 FLUOROBENZENE	
	PPB RANGE (10.5-19.7)*	PERCENT RANGE (70-131)	PPB RANGE (12.3-17.5)*	PERCENT RANGE (81-117)
METHOD BLANK	15.1	101	14.7	98
93B22481 1GR	14.3	95	14.6	97
93B22482 1GR	13.8	92	14.6	97
93B22483 1GR	13.8	92	14.8	99

* = TRUE VALUE: 15 PPB

ANALYST: MFF
DATE: 12/16/93

QC APPROVAL: Edward Donovan
DATE: 12/17/93

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VOLATILES SURROGATE RECOVERY SUMMARY

DATE: 12/17/93

MATRIX: WATER/SOIL

LAB I.D.	601/8010 1-CHLORO-2 FLUOROBENZENE		602/8020 1-CHLORO-2 FLUOROBENZENE	
	PPB RANGE (10.5-19.7)*	PERCENT RANGE (70-131)	PPB RANGE (12.3-17.5)*	PERCENT RANGE (81-117)
METHOD BLANK	15.3	102	14.9	99
93B22484 1GR	14.3	95	14.9	99
93B22485 1GR	12.4	83	15.4	103
LAB SPIKE	16.4	109	14.9	99

* = TRUE VALUE: 15 PPB

ANALYST: MFF
DATE: 12/17/93

QC APPROVAL: Edward Edwards
DATE: 12/17/93

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TOTAL PETROLEUM HYDROCARBONS QA/QC SUMMARY

DATE: 12/13/93 12/10/93

ANALYST/ DATE	REFERENCE MATERIAL	TRUE VALUE MG/KG	RANGE MG/KG	VALUE REPORTED MG/KG
RMT 12/03/93	ERA QC #1 91024	1070	642-1340	940
RMT 12/10/93	ERA QC #1 91024	1070	642-1340	930

COMMENTS: 12/10/93: 93B22475; 12/13/93: 93B22476-80

APPROVAL: Ryan C. Lynch

DATE: 12/15/93

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WET CHEMISTRY DUPLICATE SUMMARY REPORT

SAMPLE NUMBER	ANALYTE	RESULT (UNITS)	DUPLICATE RESULT (UNITS)	RPD	ANALYST/DATE
93B22476	TPH	170	350	69.2	RMT 12/13/93

RPD= RELATIVE PERCENT DIFFERENCE

CALCULATION: RPD = [(X1 - X2)/{(X1 + X2)/2}] 100

WHERE: X1 = SAMPLE RESULT
X2 = SAMPLE DUPLICATE RESULT

QC APPROVAL: Ryan C. Lynch DATE: 12/15/93

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TOTAL PETROLEUM HYDROCARBONS QA/QC SUMMARY

DATE: 12/13/93

MATRIX: AIR: ___ WATER: ___ SOIL: X OTHER: ___

MBL	10.27
CONC. SPIKE	5000 MG/KG
SAMPLE RESULT	170 MG/KG
CONC. MS	3900 MG/KG
% RECOVERY	75%
CONC. MSD	4800 MG/KG
% RECOVERY	93%
RANGE	18%

LABORATORY ESTABLISHED CONTROL LIMITS		
WATER	% RECOVERY (71-101)	RANGE (0-17.2)
SOIL	% RECOVERY (59-109)	RANGE (0-23.0)

COMMENT(S): 93B22476

ANALYST: RMT **QC APPROVAL:** Ryan C. Lynch

DATE: 12/15/93

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METALS DUPLICATE SUMMARY REPORT

Matrix: SOIL

SAMPLE NUMBER #	ANALYTE	INSTRUMENT	METHOD	SAMPLE RESULT (MG/KG)	DUPLICATE RESULT (MG/KG)	RPD	ANALYST
93821407	LEAD	AA FLAME	SW846-7420	3242	3114	4.0	KLF
93821416	LEAD	AA FLAME	SW846-7420	189.1	191.1	1.0	KLF
93822480	LEAD	AA FLAME	SW846-7420	26.3	23.7	10	KLF

Q.C. Approval/ Date: Gregory J. Falcone 12/21/93

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FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • P.O. BOX 591 • EAST LONGMEADOW, MA 01028

Client Name: Fred Bashara, Days Inn
Attn:
Address:
Site Location: montpelier, Vt
Sampled By: E. Peter Burger
Call Results: Yes ✓ No
Fax Results: Yes ✓ No

Telephone: 257 4970
Batch #:
Contest Project #: 93250119
Client P.O. #:
Fax #:

Analysis Required

Field Sample I.D.	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	Matrix: WASTE WATER	Matrix: GROUND WATER	Matrix: DKG WATER	Matrix: Soil	Matrix: Air	Matrix: *Other	Preservative (Use Code)	Container (Use Code)	BTEX / 8020								
SP8-10	✓ Soil VIVAL	93B22483 ~~93B22426~~	12-8-93			✓				✓			Mineral	2V	✓								
SPZ-12	✓ Soil 8020 ghao ~~VIV.~~	93B22484 ~~22427~~				✓				✓				2V	✓								
~~SP9-8~~	~~soil VIVAL~~	~~93B22488~~ ~~22428~~				~~✓~~				~~✓~~				~~2V~~	~~✓~~	not Reed [illegible] 12/10							
SP2-10	Soil	93B22485				✓				✓				2V	✓	per Peter Burger 12/10 [illegible]							

CONTAINER CODE
P: PLASTIC (____ Size) V = 40 ml vial G = Glass (____ size) A = 1000 ml Amber O = Other ____

PRESERVATIVE CODE:
I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ____

Relinquished by: (Signature)	Date Time	Received by: (Signature)
Peter Burger	12/9/93 5:00PM	Laurie D Kopyscinski
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

Turnaround Requested: ____ 24-Hour ____ 48-Hour ____ Normal
____ Other ____ Date Required

Remarks/Comments: due: ~~12/20/93~~ 12/16/93 NO pres

*MATRIX OTHER

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(800) 621-9081
FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • P.O. BOX 591 • EAST LONGMEADOW, MA 01028

Client Name: Fred Bashara, Days Inn
Telephone: 257-4970
Attn:
Batch #:
Address:
Contest Project #: 93250119
Site Location: Montpelier Vt
Sampled: By: Peter Burger
Client P.O. #:
Call Results: Yes ✓ No
Fax Results: Yes ✓ No
Fax #:

Field Sample I.D.	Sample Description		Lab #	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX: WASTE WATER	MATRIX: GROUND WATER	MATRIX: DKG WATER	MATRIX: Soil	MATRIX: Air	MATRIX: *Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: TPH 418.1	Total Lead	8020 BTEX
GR-1	soil	1-8oz	92B2475	12-6-93			✓				✓			802	G	✓		
GR-2	soil	1-8oz	22476				✓				✓				G	✓		
SP2-12	soil	1-8oz	22477				✓				✓				G	✓	✓	
SP10-8B	soil	1-8oz	22478				✓				✓				G	✓		
SP10-8A	soil	1-8oz	22479				✓				✓				G		✓	
SP8-10	soil	1-8oz	22480				✓				✓				G	✓	✓	
SP10-8	soil	2-40ml	22481				✓				✓				2V			✓
SP9-8	soil	2-40ml	22482				✓				✓			HCl	2V			✓

CONTAINER CODE
P: PLASTIC (___ Size) V = 40 ml vial G = Glass (8 size) A = 1000 ml Amber O = Other ___

PRESERVATIVE CODE:
I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ___

Relinquished by: (Signature)	Date Time	Received by: (Signature)
[signature]	12/9/93 3:00PM	Laurie Kopperson
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

Turnaround Requested: ___ 24-Hour ___ 48-Hour ___ Normal
___ Other ASAP Date Required

Remarks/Comments: no preo.
SP2-12 for Total Pb per Peter 12/10

*MATRIX OTHER

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May 25, 1994

Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 05/03/94
Date Received: 05/10/94
Date Analyzed: 05/17/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

MICROGRAMS/LITER

Lab # / *Sample #* / *Description*	*94B09750* *(MW-1)* *Monitoring Well #1*	*94B09751* *(MW-2)* *Monitoring Well #2*	*LOD*
Chloromethane	ND	ND	4
Bromomethane	ND	ND	7
Dichlorodifluoromethane	ND	ND	7
Vinyl Chloride	ND	ND	8
Chloroethane	ND	ND	6
Ethanol	ND	ND	150
Iodomethane	ND	ND	5
Methylene Chloride	ND	ND	3
Acrolein	ND	ND	197
Acetone	ND	ND	400
Acrylonitrile	ND	ND	6
Carbon Disulfide	ND	ND	3
Trichlorofluormethane	ND	ND	6
1,1-Dichloroethylene	ND	ND	6
1,1-Dichloroethane	ND	ND	5
Trans 1,2-Dichloroethylene	<7	32	7
Chloroform	<7	<7	7
2-Butanone (MEK)	ND	ND	31

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 8240

Analyzed By: WSD

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June 23, 1994

P.O. #45639

Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 06/10/94
Date Received: 06/14/94
Date Extracted: 06/17/94
Date Analyzed: 06/22/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

Lab# *Sample#*	*Total Petroleum Hydrocarbons* *(mg/l)*
94B11552 (MW#4)	ND
94B11553 (MW#11)	ND
94B11554 (MW#12)	ND
94B11555 (MW#13)	ND

Limit of Detection = 0.40 mg/l
ND = Not Detected

Analytical Method: Modified EPA 418.1

Analyst: JMB

con-test®
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Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 05/03/94
Date Received: 05/10/94
Date Analyzed: 05/17/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

M I C R O G R A M S/L I T E R

Lab # / *Sample #* / *Description*	*94B09750* *(MW-1)* *Monitoring Well #1*	*94B09751* *(MW-2)* *Monitoring Well #2*	*LOD*
Ethyl Methacrylate	ND	ND	3
Toluene	ND	ND	2
Chlorobenzene	ND	ND	2
Ethylbenzene	ND	ND	1
Styrene	ND	ND	3
Xylene	ND	ND	4
Cis 1,4-Dichloro-2-Butene	ND	ND	5
Dichlorobenzenes	ND	ND	5
MTBE	ND	ND	5

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 8240

Analyzed By: WSD

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Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 05/03/94, 05/02/94*
Date Received: 05/10/94
Date Analyzed: 05/17/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

MICROGRAMS/LITER

Lab# / *Sample#*	*94B09752* *(MW-11)* *Monitoring Well #11*	*94B09757** *(TB-01)* *Trip Blank*	*LOD*
Benzene	ND	ND	1.0
Toluene	ND	ND	1.0
Chlorobenzene	ND	ND	1.0
Ethylbenzene	ND	ND	1.0
Xylenes	ND	ND	3.0
Dichlorobenzenes	ND	ND	3.0
MTBE	ND	ND	1.0

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 8020

Analyst: MFF

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Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 05/03/94
Date Received: 05/10/94
Date Analyzed: 05/19/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

Lab# *Sample#* *Description*	*Lead* *(mg/l)*
94B09753 (MW-11) Monitoring Well #11	0.03
94B09754 (MW-12) Monitoring Well #12	0.03
94B09755 (MW-4) Monitoring Well #4	0.25

Limit of Detection = 0.02 mg/l
ND = Not Detected

Analytical Method: EPA 200.7

Analyst: KLF

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Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 05/03/94
Date Received: 05/10/94
Date Extracted: 05/18/94
Date Analyzed: 05/18/94

Ref: Days Inn

Matrix: Soil

The results of analyses requested are listed below:

Lab# *Sample#* *Description*	*Total Petroleum Hydrocarbons (mg/kg)*
94B09756 (SP-1) Stock Piled Soil	48

Limit of Detection = 10 mg/kg
ND = Not Detected

Analytical Method: Modified EPA 418.1

Analyst: RMT

Edward Denson

Signature

Tod Kopyscinski
Director of Operations

Edward Denson
Laboratory Director

HFD/94250045

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TOTAL PETROLEUM HYDROCARBONS QA/QC SUMMARY

DATE: 05/18/94

ANALYST/ DATE	REFERENCE MATERIAL	TRUE VALUE MG/KG	RANGE MG/KG	VALUE REPORTED MG/KG
RMT 05/18/94	ERH QC#1 LOT 91025	2060	1240-2580	1610

COMMENTS: RUN WITH 94B09657, 09658, 09660D, 09756, 09758-09765, 09797, 09803, 09819, 09820

APPROVAL: Ryan C. Lynch

DATE: 05/18/94

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VOLATILES SURROGATE RECOVERY SUMMARY

DATE: 05/19/94

MATRIX: WATER

LAB I.D.	601/8010 1-CHLORO-2 FLUOROBENZENE PPB RANGE (10.5-19.7)*	601/8010 1-CHLORO-2 FLUOROBENZENE PERCENT RANGE (70-131)	602/8020 1-CHLORO-2 FLUOROBENZENE PPB RANGE (12.3-17.5)*	602/8020 1-CHLORO-2 FLUOROBENZENE PERCENT RANGE (81-117)
METHOD BLANK	14.7	98	16.1	107
94B09752	15.1	101	15.9	106
94B09757	14.4	96	16.1	109
LAB SPIKE	15.8	105	16.0	107

* = TRUE VALUE: 15 PPB

ANALYST: MFF/TEK
DATE: 05/17/94

QC APPROVAL: Edward Dennison
DATE: 05/17/94

CHAIN OF CUSTODY RECORD

CON-TEST

Proj. No.	Project Name
94-250-045	DAYS INN

Samplers (Signature): Robert Giordano

Sample Location	Date	Time	Comp.	Grab	Sample Description	No. of Containers	Analysis Required: 8240 VOA's	Analysis Required: BTEX	Analysis Required: TPH 418.1	Analysis Required: TOTAL LEAD	Remarks
MW-1	5/3/94	P.M.		✓	MONITORING WELL #1 2-40 mL VOA	2	✓				94B09750
MW-2	5/3/94	P.M.		✓	MONITORING WELL #2 2-40 mL VOA	2	✓				09751
MW-11	5/3/94	A.M.		✓	MONITORING WELL #11 2-40 mL VOA	2		✓			09752
MW-11	5/3/94	A.M.		✓	MONITORING WELL #11 1-LITER Amber	1			✓		
MW-11	5/3/94	A.M.		✓	MONITORING WELL #11 4oz. Plastic	1			✓	✓	09753
MW-12	5/3/94	A.M.		✓	MONITORING WELL #12 2-40 mL VOA	2		✓			
MW-12	5/3/94	A.M.		✓	MONITORING WELL #12 1-LITER Amber	1			✓		
MW-12	5/3/94	A.M.		✓	MONITORING WELL #12 4oz. Plastic	1				✓	09754
MW-13	5/3/94	A.M.		✓	MONITORING WELL #13 2-40 mL VOA	2		✓			
MW-13	5/3/94	A.M.		✓	MONITORING WELL #13 1-LITER Amber	1			✓		
MW-13	5/3/94	A.M.		✓	MONITORING WELL #13 4oz. Plastic	1				✓	

Relinquished by: (Signature)	Date Time	Received by: (Signature)
Robert Giordano	5/4/94	Tina Scott 5/10/94
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received for Laboratory by: (Signature)

Lab Remarks:

1 - Lab 2 - Client 3 - Billing

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June 23, 1994

P.O. #45639

Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 06/10/94
Date Received: 06/14/94
Date Extracted: 06/17/94
Date Analyzed: 06/22/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

Lab# *Sample#*	*Total Petroleum Hydrocarbons* *(mg/l)*
94B11552 (MW#4)	ND
94B11553 (MW#11)	ND
94B11554 (MW#12)	ND
94B11555 (MW#13)	ND

Limit of Detection = 0.40 mg/l
ND = Not Detected

Analytical Method: Modified EPA 418.1

Analyst: JMB

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P.O. #45639

Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 06/10/94
Date Received: 06/14/94
Date Analyzed: 06/20/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

MICROGRAMS/LITER

Lab# / *Sample#*	*94B11556* *(MW#4)*	*94B11557* *(MW#12)*	*LOD*
Benzene	ND	ND	1.0
Toluene	ND	ND	2.0
Chlorobenzene	ND	ND	2.0
Ethylbenzene	ND	ND	1.0
Xylenes	ND	ND	4.0
Dichlorobenzenes	ND	ND	5.0
MTBE	ND	ND	5.0

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 624

Analyst: WD

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P.O. #45639

Robert Giordano
Con-Test Environmental

Invoice #94-250-045
Date Sampled: 06/10/94
Date Received: 06/14/94
Date Analyzed: 06/20/94

Ref: Days Inn

Matrix: Ground Water

The results of analyses requested are listed below:

MICROGRAMS/LITER

Lab# / *Sample#*	*94B11558* *(MW#13)*	*94B11712* *(Trip Blank)*	*LOD*
Benzene	ND	ND	1.0
Toluene	ND	ND	2.0
Chlorobenzene	ND	ND	2.0
Ethylbenzene	ND	ND	1.0
Xylenes	ND	ND	4.0
Dichlorobenzenes	ND	ND	5.0
MTBE	ND	ND	5.0

LOD = Limit of Detection
ND = Not Detected

Analytical Method(s): EPA 624

Analyst: WD

Edward Denson
Signature

Tod Kopyscinski
Director of Operations

Edward Denson
Laboratory Director

HFD/250045

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TOTAL PETROLEUM HYDROCARBONS QA/QC SUMMARY

DATE: 06/22/94

ANALYST: JMB

MATRIX: AIR: ___ WATER: X SOIL: ___ OTHER: ___

METHOD BLANK	3.75 PPM
CONCENTRATION SPIKED	14.8 MG/L
SAMPLE RESULT	N/A
% RECOVERY SPIKE 1	81.1%
% RECOVERY SPIKE 2	71.6%
AVERAGE % RECOVERY	76.4%
RANGE	9.5

LABORATORY ESTABLISHED CONTROL LIMITS		
WATER	AVG % RECOVERY (73.5 to 107)	RANGE (0.0 TO 16.3)
SOIL*	% RECOVERY (50.2 to 124)	NA
CONCRETE	% RECOVERY (61.9 to 125)	NA

* Laboratory established control limit for soils does not apply to Soxhlet extractions.
NA= Not Applicable

COMMENT/FLAG(S): DAYS INN 94B11552-55, BAIER CONST. 94B11634-38, CAHILLANE MOTORS 94B11667 FDIC 94B11869-72

QC APPROVAL/DATE: Gregory J. Fraleve 06/23/94

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DATA FILE : >V1556::A2
OPERATOR : WD SUPER GRP
SAMPLE INJECTED TIME : 6/15/94 21:07
CLIENT SAMPLE INFORMATION : 94B11556
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	24.940	100
d-8 TOLUENE	25.000	24.682	99
BROMOFLUOROBENZENE	25.000	25.572	102

CON-TEST, INC.
39 SPRUCE STREET
P.O.BOX 591
EAST LONGMEADOW MA 01028
(413)-525-1198

DATA FILE : >V1557::A2
OPERATOR : WD SUPER GRP
SAMPLE INJECTED TIME : 6/15/94 22:18
CLIENT SAMPLE INFORMATION : 94B11557
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	25.138	101
d-8 TOLUENE	25.000	25.124	100
BROMOFLUOROBENZENE	25.000	25.346	101

CON-TEST, INC.
39 SPRUCE STREET
P.O.BOX 591
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(413)-525-1198

DATA FILE : >V1558::A2
OPERATOR : WD SUPER GRP
SAMPLE INJECTED TIME : 6/15/94 23:31
CLIENT SAMPLE INFORMATION : 94B11558
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	24.958	100
d-8 TOLUENE	25.000	24.110	96
BROMOFLUOROBENZENE	25.000	24.868	99

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DATA FILE : >V1712::A2
OPERATOR : WD SUPER GRP
SAMPLE INJECTED TIME : 6/16/94 0:43
CLIENT SAMPLE INFORMATION : 94B11712
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	25.212	101
d-8 TOLUENE	25.000	24.962	100
BROMOFLUOROBENZENE	25.000	26.282	105

CHAIN OF CUSTODY RECORD

CON-TEST

Proj. No.	Project Name						Analysis Required							P.O. ~~#~~ 45639
94250-045	DAYS INN													
Samplers (Signature)	Robert Montano													
Sample Location	Date	Time	Comp.	Grab	Sample Description	No. of Containers		TPH 418.1	BTEX 8020					Remarks – lab#
	6-10	P.M.		–	MW#4	1-Liter		✓						94B 11552
	6-10	PM.		–	MW# 11	1-Liter		✓						11553
	6-10	P.M.		–	MW#12	1-Liter		✓						11554
	6-10	P.M.		–	MW# 13	1-Liter		✓						11555
														~~11556~~ (DB)
	6-10	P.M.			MW# 4	2-40 mL VOA			✓					11556 (TS)
	6-10	P.M.			MW# 12	2-40 mL VOA			✓					11557
	6-10	P.M.			MW# 13	2-40 mL VOA			✓					11558

Relinquished by: (Signature)	Date Time	Received by: (Signature)
Robert Montano	6-13-94	Ina Scott
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received for Laboratory by: (Signature)

Lab Remarks:

1 - Lab 2 - Client 3 - Billing

CON-TEST, INC.
39 SPRUCE STREET
P.O.BOX 591
EAST LONGMEADOW MA 01028
(413)-525-1198

DATA FILE : >K9751::A4
OPERATOR : BILL SUPER GRP
SAMPLE INJECTED TIME : 5/17/94 11:21
CLIENT SAMPLE INFORMATION : 94B09751 5ML
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	21.671	87
d-8 TOLUENE	25.000	24.932	100
BROMOFLUOROBENZENE	25.000	22.028	88

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DATA FILE : >K9750::A4
OPERATOR : WD SUPER GRP
SAMPLE INJECTED TIME : 5/17/94 12:11
CLIENT SAMPLE INFORMATION : 94B09750 5ML
DAYS INN

EPA 624/8240 SURROGATE % RECOVERY REPORT

SURROGATE COMPOUND	LABORATORY DETERMINED CONTROL LIMITS (% RECOVERY)
d4-1,2-DICHLOROETHANE (SUR #1)	56 - 128
d-8 TOLUENE (SUR #2)	65 - 113
BROMOFLUOROBENZENE (SUR #3)	62 - 137

SURROGATE COMPOUND	EXPECTED CONCENTRATION (PPB)	ANALYZED CONCENTRATION (PPB)	ANALYZED % RECOVERY
d4-1,2-DICHLOROETHANE	25.000	22.667	91
d-8 TOLUENE	25.000	25.032	100
BROMOFLUOROBENZENE	25.000	22.956	92

CHAIN OF CUSTODY RECORD

CON-TEST®

Proj. No.	Project Name
94-250-045	DAYS INN

Samplers (Signature): Robert Nicholson

Sample Location	Date	Time	Comp.	Grab	Sample Description	No. of Containers	Analysis Required: BTEX	TPH 418.1	TOTAL LEAD				Remarks
MW-4	5/3/94	A.M.		✓	MONITORING WELL #4 2-40 ML VOA	2	✓						upgradient background well
MW-4	5/3/94	A.M.		✓	MONITORING WELL #4 1-LITER Amber	1		✓					upgradient background well
MW-4	5/3/94	A.M.		✓	MONITORING WELL #4 4 OZ. PLASTIC	1			✓				9405755 upgradient background well
SP-1	5/3/94	P.M.	✓		STOCK PILED SOIL 8 oz. GLASS	1		✓					9405756 Total Petroleum Hydrocarbons
TB-01	5/2/94			✓	TRIP BLANK - 40 ML VOA	1	✓						9405757

Relinquished by: (Signature)	Date Time	Received by: (Signature)
Robert Nicholson	5/4/94	Anne Scott 5/10/94
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received for Laboratory by: (Signature)

Lab Remarks:

CON-TEST INC. 802 878 6625 05/09/94 12:05 P.03